

Motaj Navotz

**REPORTER**

Start from 1 and add/subtract

1 + 3 + 1 - 0 = 5

GJA

Jakub Nemec

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT		ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS	
								relevant arguments/responses	reporter's conduct in the discussion		
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	too few	poor/aggressive	0	concise and correct or no questions asked
1	some	some	some	some	review of sources, cited	partly	partly clear	some	partly fine	1	some incorrect, inconclusive or too long
2	fair	fair	fair	qualitative agreement	some own input	average	average	many	good	2	deeply incorrect or shows deep misconceptions
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	+ data/theory supported	some aspects efficient	3	
4	detailed demonstrative	quite detailed, correct	or ↑ multitude of parameters examined	+ limits discussed	or ↓ considerable experimental	interesting solution	overall clear, demonstrative	proved deep understanding	overall efficient		
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and ↓ errors analysis	well fitting, deviations analysed, conclusive	and ↓ considerable theoretical	greater extent than expected	+ complex concepts well communicated				

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1.5 + 3 + 3 - 0.5 = 8

1SG

Viktor Csontos

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS	
	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion		
0	too few, mostly irrelevant	almost nothing	too few	poor	almost none	too few	poor/aggressive	0	concise and correct or no questions asked
1	relevant, aimed at resolving unclear points in the report	some main points	some	reasonable	too few/many	some	some aspects fine	1	some incorrect, inconclusive or too long
2	+ short, apt and clear, well prioritised, all time used	main points	some correct	fair	partially relevant	some correct	good	2	deeply incorrect or shows deep misconceptions
		all relevant points	many correct	efficient	mostly relevant	many correct	some aspects efficient	3	
		practically all points	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	4	

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 0.5 + 2 + 1.5 + 1.0 - 0 = 6

Postova

Samuel Sandoz

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions		
0	poor/wrong	irrelevant	poor/wrong	irrelevant	poor	irrelevant	-1	irrelevant
1	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	0	none
2	good	mostly correct/prioritised	good	mostly correct/prioritised	relevant parts	many	1	relevant, constructive
	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate	2	

NOTES:

Matej Novotý

**REPORTER**

Start from 1 and add/subtract

1 + 3 + 1 - 2 = 3

postovs

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT		ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive	1
2	fair	fair	fair	qualitative agreement	+ some own input	average	average	some	partly fine	
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good	3
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient	
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	-2

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 1.5 + 2 - 0 = 5

GJH

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	1
2	some main points	too few/many	some	+ reasonable	too few/many	some	some aspects fine	
3	main points	partially relevant	some correct	fair	partially relevant	some correct	good	-2
4	all relevant points	most y relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	
5	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 2 + 2 + 1.5 + 1.5 - 0 = 8

15G

Matej K

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	irrelevant	
1	poor/wrong	irrelevant	poor/wrong	irrelevant	poor	irrelevant	irrelevant	-1
2	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	none	
3	good	mostly correct/prioritised	good	mostly correct/prioritised	relevant parts	many	relevant, constructive	1
4	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate		

NOTES:

16 11 15

Matej Novak

**REPORTER**

Start from 1 and add/subtract

1 + 2 + 0,7 - 1 = 9

postovs

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	X some	some	some	review of sources, cited	partly	X partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	X some own input	X average	average	X some	X partly fine
3	good	good	X good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	X detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5			errors analysis						
6	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient
7									

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1,5 + 2,5 + 2,5 - 1 = 6

1 SG

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
0	almost nothing	almost none	too few
1	some main points	too few/many	some
2	X main points	partially relevant	X fair
3	X all relevant points	X mostly relevant	X many correct
4	practically all points	+ well prioritised	+ improvement suggestions
0	time management	own opinions presented	opponent's conduct in the discussion
0	poor	too few	poor/aggressive
1	reasonable	some	some aspects fine
2	efficient	some correct	X good
3		X many correct	some aspects efficient
4		+ improvement suggestions	overall efficient

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 2 + 2 + 1,5 + 1,5 - 1 = 9

GA MIX

Mzjho Koval

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	irrelevant	concise and correct or no questions asked
0	poor/wrong	poor/wrong	poor	0	0
1	superficial	superficial	superficial	1	1
2	good	good	relevant parts	0	0
3	apt, accurate	apt & accurate	accurate, convincing	1	1
0	pros & cons prioritisation	pros & cons prioritisation	correct own opinions	relevant, constructive	2
0	irrelevant	irrelevant	irrelevant		2
1	partially relevant/correct	partially relevant/correct	some		2
2	mostly correct/prioritised	mostly correct/prioritised	many		2
3	fully adequate, well prioritised	fully adequate, well prioritised	fully adequate		2

NOTES:

Matej Navota

5

156 Viktor Gonias

**REPORTER** Start from 1 and add/subtract  
 1 + 5 + 2 - [ ] = 8

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES:

**OPPONENT** Start from 1 and add/subtract  
 1 + 1,7 + 3 + 3 - [ ] = 8

Ba-MIX Katarina Bersova

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
0	almost nothing	almost none	too few
1	some main points	too few/many	some
2	main points	partially relevant	some correct
3	all relevant points	mostly relevant	many correct
4	practically all points	+ well prioritised	+ improvement suggestions

NOTES:

**REVIEWER** Start from 1 and add/subtract  
 1 + 1,5 + 2 + 1,5 + 1 - [ ] - [ ] = 7

Postova

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	irrelevant	concise and correct or no questions asked
0	poor/wrong	poor/wrong	poor	none	some incorrect, inconclusive or too long
1	superficial	superficial	superficial	relevant, constructive	deep misconceptions
2	good	good	relevant parts		
3	apt, accurate	apt & accurate	accurate, convincing		

NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range.

17

Matej Novotý

**REPORTER**

Start from 1 and add/subtract

1 + 3 + 1,5 - 0,5 = 5

BA MIX

Michal Tomáš

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	demonstrative								
6	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient
7									

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 10 + 17 + 1,5 - [ ] = 5

Postová

Lukáš Tocko

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
0	almost nothing	almost none	too few
1	some main points	too few/many	some
2	main points	partially relevant	some correct
3	all relevant points	mostly relevant	many correct
4	practically all points	+ well prioritised	+ improvement suggestions
0	time management	own opinions presented	opponent's conduct in the discussion
0	poor	too few	poor/aggressive
1	reasonable	some	some aspects fine
2	fair	some correct	good
3	efficient	many correct	some aspects efficient
4	+ all time used	+ improvement suggestions	overall efficient

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1,5 + 2 + 1,7 + 1,5 - [ ] - [ ] = 8,7

156

Alex

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	irrelevant	concise and correct or no questions asked
0	poor/wrong	poor/wrong	poor	none	some incorrect, inconclusive or too long
1	superficial	superficial	superficial	relevant parts	deeply incorrect or shows deep misconceptions
2	good	good	relevant parts	relevant, constructive	
3	apt, accurate	apt & accurate	accurate, convincing		
0	pros & cons prioritisation	pros & cons prioritisation	correct own opinions		
0	irrelevant	irrelevant	irrelevant		
1	partially relevant/correct	partially relevant/correct	some		
2	mostly correct/prioritised	mostly correct/prioritised	many		
3	fully adequate, well prioritised	fully adequate, well prioritised	fully adequate		

NOTES:



**REPORTER**

Start from 1 and add/subtract

1 + 5,7 + 2 - [ ] = 9

(6)

Matej Novotý

1SG

Alex

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5			and errors analysis		and considerable theoretical				
6	deep and comprehensible, shows physical insight	detailed, complex, completely testable		well fitting, deviations analysed, conclusive		greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient
7									

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 3 + 2 - [ ] = 7

Postova

Sam

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
0	almost nothing	almost none	too few
1	some main points	too few/many	some
1	main points	partially relevant	some correct
2	all relevant points	mostly relevant	many correct
3	practically all points	+ well prioritised	+ improvement suggestions
4			

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1 + 2 + 1,5 + 1 ± [ ] - [ ] = 6

GJM

Filip

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	irrelevant	concise and correct or no questions asked
0	poor/wrong	poor/wrong	poor	none	some incorrect, inconclusive or too long
1	superficial	superficial	superficial	relevant, constructive	deeply incorrect or shows deep misconceptions
1	good	good	relevant parts		
2	apt, accurate	apt & accurate	accurate, convincing		

NOTES:

Q14

M4 S1  
Euler

**REPORTER**  
Start from 1 and add/subtract  
1 + 3 + 1 -  =

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES: not well explained

**OPPONENT**  
Start from 1 and add/subtract  
1 + 1.5 + 3 + 2.8 - 1.3 = 7

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
0	almost nothing	almost none	too few
1	some main points	too few/many	some
2	main points	partially relevant	some correct
3	all relevant points	mostly relevant	many correct
4	practically all points	+ well prioritised	+ improvement suggestions

NOTES: + in productive power  
 @ should have varied the magn. bro  
 @ limit score in the theory  
 @ lucky exp.  
 1. cycle  
 2. cycle period decreases - what do you expect?  
 3. force equation between 2 magnets  
 4. where damping appears  
 5. damping force  
 6. what causes few movement

**REVIEWER**  
Start from 1 and add/subtract  
1 + 2.5 + 1.5 + 0.5 + 0.5 + 0.5 -  =

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	irrelevant	concise and correct or no questions asked
0	poor/wrong	poor/wrong	poor	none	some incorrect, inconclusive or too long
1	superficial	superficial	superficial	relevant, constructive	deeply incorrect or shows deep misconceptions
2	good	good	relevant parts		
3	apt, accurate	apt & accurate	accurate, convincing		

NOTES: is period constant? not of course  
 @ Euler took 17 - DUFFELANT  
 @ comparison T R E  
 @ Euler didn't  
 @ teacher of dop  
 @ student mentions Euler  
 Please, suitably adjust your grades taking into regard the [1,10] range.  
 Reviewer - exper. teacher

Rep 185 another opp: version Pastora

Q  
#353  
left over

imp: extend theory to higher amplitude

REPORTER Start from 1 and add/subtract

1 + 1.5 + 1.5 - 1 = 3

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES:

OPPONENT Start from 1 and add/subtract

1 + 0.5 + 2.5 + 2 - 1 = 5

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS					
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	concise and correct or no questions asked
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	some incorrect, inconclusive or too long
2	relevant, aimed at resolving unclear points in the report	some main points	too few/many	reasonable	too few/many	some	some aspects fine	deeply incorrect or shows deep misconceptions
3	+ short, apt and clear, well prioritised, all time used	main points	partially relevant	fair	partially relevant	some correct	good	
4		all relevant points	mostly relevant	efficient	mostly relevant	many correct	some aspects efficient	
5		practically all points	+ well prioritised	+ improvement suggestions	+ well prioritised	+ improvement suggestions	overall efficient	

NOTES: materials - measure of fun - eq. derivation

- stimulation outcomes  
- level of complexity  
- which rel. parameters are most imp.  
- why is balance important?  
- 1/2 force dependence  
- where is air resistance in eq.  
- what source of damping  
- be mindful

REVIEWER Start from 1 and add/subtract

1 + 2 + 2 + 1.5 + 0.5 - 1 = 6

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	concise and correct or no questions asked
1	poor/wrong	poor/wrong	poor	irrelevant	some incorrect, inconclusive or too long
2	+ suitably allotted to Rep & Opp, most time used	superficial	superficial	superficial	deeply incorrect or shows deep misconceptions
3	+ short, apt and clear, well prioritised, time managed efficiently	good	good	relevant parts	
4		apt, accurate	apt & accurate	accurate, convincing	
5				fully adequate	

NOTES:  $\odot$  draw possible motions  $\odot$  did change angles and methods  $\odot$  pros only 2  $\odot$  circuit show apparatus



Rep

Final color line

REPORTER

Start from 1 and add/subtract

1 + 1.5 + 0.8 - [ ] = 5

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS	
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long 2 deeply incorrect or shows deep misconceptions 3
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive	
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine	
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good	
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient	
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	
7										

NOTES:

OPPONENT

Start from 1 and add/subtract

1 + 1 + 1 + 1.8 - [ ] = [ ]

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS					
0 too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long 2 deeply incorrect or shows deep misconceptions 3
1 relevant, aimed at resolving unclear points in the report	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	
2 + short, apt and clear, well prioritised, all time used	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	
	main points	partially relevant	some correct	fair	partially relevant	some correct	good	
	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	
	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	

NOTES:  
- really green line

no green line explanation - too few experiments @ nuclear plots

only other colors - @ nuclear plot

REVIEWER

Start from 1 and add/subtract

1 + 1.5 + 2 + 1.5 + 1 ± [ ] - [ ] = [ ]

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0 too few, mostly irrelevant	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long 2 deeply incorrect or shows deep misconceptions 3
1 relevant, meant to clarify unclear points	pros & cons prioritisation	pros & cons prioritisation	poor	irrelevant	
2 + suitably allotted to Rep & Opp, most time used	poor/wrong	irrelevant	superficial	some	
3 + short, apt and clear, well prioritised, time managed efficiently	superficial	partially relevant/correct	relevant parts	many	
	good	mostly correct/prioritised	accurate, convincing	fully adequate	
	apt, accurate	fully adequate, well prioritised			

NOTES:

theory on 21 doesn't apply - bad priority table good list. start

no clear line

Please, suitably adjust your grades taking into regard the [1,10] range.

**REPORTER**

Start from 1 and add/subtract

1 + 2.5 + 1.5 - [ ] = 5

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES:  $f_{coll} < f_{sound} ???$  plane electric? predicting distance - bilboise zabranje - slide 19

**OPPONENT**

Start from 1 and add/subtract

1 + 0.75 + 2 + 1.5 - [ ] = 5

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
0	almost nothing	almost none	too few
1	some main points	too few/many	poor
2	main points	partially relevant	reasonable
3	all relevant points	mostly relevant	fair
4	practically all points	+ well prioritised	efficient
0	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion
0	almost none	too few	poor/aggressive
1	too few/many	some	some aspects fine
2	partially relevant	some correct	good
3	mostly relevant	many correct	some aspects efficient
4	+ well prioritised	+ improvement suggestions	overall efficient

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1.75 + 2 + 1.25 + 1.75 - [ ] - [ ] = 8

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	conclude and correct or no questions asked
0	poor/wrong	poor/wrong	poor	irrelevant	some incorrect, inconclusive or too long
1	superficial	superficial	superficial	some	deeply incorrect or shows deep misconceptions
2	good	good	relevant parts	many	
3	apt, accurate	apt & accurate	accurate, convincing	fully adequate	
0	pros & cons prioritisation	pros & cons prioritisation	correct own opinions		
0	irrelevant	irrelevant	irrelevant		
1	partially relevant/correct	partially relevant/correct	some		
2	mostly correct/prioritised	mostly correct/prioritised	many		
3	fully adequate, well prioritised	fully adequate, well prioritised	fully adequate		

NOTES:

Barniek 3-2

5

**REPORTER**

Start from 1 and add/subtract

1 + 4 + 2.5 - 0.5 = 7

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS	
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long 2 deeply incorrect or shows deep misconceptions
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive	
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine	
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good	
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient	
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and error's analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	
6										

NOTES: Position of flow movie? E 20 should matter - is it to a F decimal number calculated or ve?

**OPPONENT**

Start from 1 and add/subtract

1 + 1.5 + 2 + 2 - 0 = 6

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS					
0 too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long 2 deeply incorrect or shows deep misconceptions
1 relevant, aimed at resolving unclear points in the report	0 almost nothing	0 almost none	0 too few	poor	0 almost none	0 too few	0 poor/aggressive	
2 + short, apt and clear, well prioritised, all time used	1 some main points	1 too few/many	1 some	reasonable	1 too few/many	1 some	1 some aspects fine	
	2 main points	2 partially relevant	2 some correct	fair	2 partially relevant	2 some correct	2 good	
	3 all relevant points	3 mostly relevant	3 many correct	efficient	3 mostly relevant	3 many correct	3 some aspects efficient	
	4 practically all points	4 + well prioritised	4 - improvement suggestions	+ all time used	4 + well prioritised	4 + improvement suggestions	4 overall efficient	

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1.25 + 1 + 0.5 + 0.75 - 0 = 4

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0 too few, mostly irrelevant	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long 2 deeply incorrect or shows deep misconceptions
1 relevant, meant to clarify unclear points	0 poor/wrong	0 poor/wrong	0 poor	0 irrelevant	
2 + suitably allotted to Rep & Opp, most time used	1 superficial	1 partially relevant/correct	1 superficial	1 some	
3 + short, apt and clear, well prioritised, time managed efficiently	2 good	2 mostly correct/prioritised	2 relevant parts	2 many	
	3 apt, accurate	3 fully adequate, well prioritised	3 accurate, convincing	3 fully adequate	

NOTES:

Baranek 3-1

1sg - calva  
Ratix

Pos Ka  
10 Rej  
16 Rej  
15

Poska

**REPORTER**

Start from 1 and add/subtract

$$1 + 2 + 1 - 1.5 = 2.5$$

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient
6									
7									

NOTES: *you saw All factor marble size? Theory of a single marble? Finding 1 Noopik ab v present. Ratahly - counter-rotating. BS doplant*

1SG

**OPPONENT**

Start from 1 and add/subtract

$$1 + 0.75 + 2.5 + 2.75 - 0.5 = 6$$

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	too few, mostly irrelevant	topics raised and their prioritisation	own opinions presented
1	relevant, aimed at resolving unclear points in the report	almost none	too few
2	+ short, apt and clear, well prioritised, all time used	some main points	some
		main points	some aspects fine
		partially relevant	good
		all relevant points	some aspects efficient
		mostly relevant	many correct
		+ well prioritised	+ improvement suggestions
			overall efficient

NOTES: *that makes sense - not - parameter of angular frequency of pendulum*

Ratix

**REVIEWER**

Start from 1 and add/subtract

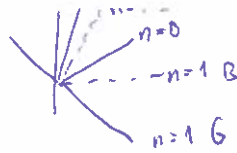
$$1 + 2 + 2 + 1.5 + 1.5 \pm \square - \square = 8$$

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	concise and correct or no questions asked
1	poor/wrong	poor/wrong	poor	irrelevant	some incorrect, inconclusive or too long
2	superficial	superficial	superficial	none	deeply incorrect or shows deep misconceptions
3	good	good	relevant parts	relevant, constructive	
4	apt, accurate	apt & accurate	accurate, convincing		

NOTES: *Best Q&A live seen* *OPINION QUESTION*



W



Baránek 4-1

Poštova!



### REPORTER

Start from 1 and add/subtract

$$1 + 2,5 + 2 - 0,5 = 5$$

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	OR multitude of parameters examined	+ limits discussed	OR considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES:

obrovat 2(Fradic)

zobkni kite FFs

94%

### OPPONENT

Start from 1 and add/subtract

$$1 + 1 + 1,75 + 2 - 0,5 = 5$$

GJK

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS					
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	concise and correct or no questions asked
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	some incorrect, inconclusive or too long
2	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	deeply incorrect or shows deep misconceptions
3	main points	partially relevant	some correct	fair	partially relevant	some correct	good	
4	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	
5	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	

NOTES:

green line only -BC

### REVIEWER

Start from 1 and add/subtract

$$1 + 1,25 + 2 + 1,75 + 1,25 \pm \square - \square = 7$$

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS		
0	evaluation & understanding	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	irrelevant	concise and correct or no questions asked
1	poor/wrong	poor/wrong	irrelevant	poor	irrelevant	none	some incorrect, inconclusive or too long
2	superficial	superficial	partially relevant/correct	superficial	some	relevant, constructive	deeply incorrect or shows deep misconceptions
3	good	good	mostly correct/prioritised	relevant parts	many		
4	apt, accurate	apt, accurate	fully adequate, well prioritised	accurate, convincing	fully adequate		

NOTES:

4-2 Baranek

8

**REPORTER**

Start from 1 and add/subtract

1 + 1.25 + 2 - 0.5 = 3.75

poor answer!

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1.25 + 2 + 2 = 6.5

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS					
0	too few, mostly irrelevant	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	concise and correct or no questions asked
1	relevant, aimed at resolving unclear points in the report	almost nothing	almost none	too few	poor	too few	poor/aggressive	some incorrect, inconclusive or too long
2	+ short, apt and clear, well prioritised, all time used	some main points	too few/many	some	reasonable	some	some aspects fine	deeply incorrect or shows deep misconceptions
		main points	partially relevant	some correct	fair	some correct	good	
		all relevant points	mostly relevant	many correct	efficient	many correct	some aspects efficient	
		practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ improvement suggestions	overall efficient	

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1.25 + 1.75 + 1 + 0.5 = 5.5

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS		
0	too few, mostly irrelevant	evaluation & understanding	pros & cons prioritisation	discussion evaluation	correct own opinions	irrelevant	concise and correct or no questions asked
1	relevant, meant to clarify unclear points	poor/wrong	irrelevant	poor	irrelevant	none	some incorrect, inconclusive or too long
2	+ suitably allotted to Rep & Opp, most time used	superficial	partially relevant/correct	superficial	some	relevant, constructive	deeply incorrect or shows deep misconceptions
		good	mostly correct/prioritised	relevant parts	many		
		apt, accurate	fully adequate, well prioritised	accurate, convincing	fully adequate		

NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range.

**REPORTER** <sup>55</sup>  
 Start from 1 and add/subtract  
 1 + ~~5.5~~ + 2.5 - 0.5 = 9

2.5 to be dth' wood?

4-3 Barinek

6

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient
6									
7									

NOTES:

**OPPONENT**  
 Start from 1 and add/subtract  
 1 + ~~1~~ + 2.5 + ~~2.5~~ = 7.6

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0 - too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented
1 - relevant, aimed at resolving unclear points in the report	topics raised and their prioritisation	own opinions presented	time management
2 - + short, apt and clear, well prioritised, all time used	almost nothing	almost none	too few
	some main points	too few/many	poor
	main points	partially relevant	some
	all relevant points	mostly relevant	reasonable
	practically all points	+ well prioritised	fair
			efficient
			+ improvement suggestions
			all time used

NOTES:

**REVIEWER**  
 Start from 1 and add/subtract  
 1 + ~~1~~ + 1.5 + 1.5 + 1.5 = 7

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
too few, mostly irrelevant	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	concise and correct or no questions asked
relevant, meant to clarify unclear points	pros & cons prioritisation	pros & cons prioritisation	correct own opinions	correct own opinions	some incorrect, inconclusive or too long
+ suitably allotted to Rep & Opp, most time used	poor/wrong	poor/wrong	poor	irrelevant	deeply incorrect or shows deep misconceptions
+ short, apt and clear, well prioritised, time managed efficiently	superficial	superficial	superficial	none	
	good	good	relevant parts	relevant, constructive	
	apt, accurate	apt & accurate	accurate, convincing		
			fully adequate		

NOTES:

Rayne's initial starting pts almost missing?

6

4/3

Njaz Mohammad

REPORTER

Start from 1 and add/subtract

7.5

1 + 4.5 + 2 - 0 = 7

Alex

Table with 8 columns: REPORT, phenomenon explanation, theory/model, relevant experiments, comparison between theory and experiment, own contribution, task fulfilment, science communication, DISCUSSION WITH OPPONENT, and ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS.

NOTES:

OPPONENT

Start from 1 and add/subtract

1 + 1 + 1 + 1 - 0 = 4

Samuel

Table with 4 columns: QUESTIONS ASKED, OPPOSITION (SPEECH), DISCUSSION WITH REPORTER, and ANSWERS TO JURY and REVIEWER'S QUESTIONS.

NOTES:

REVIEWER

Start from 1 and add/subtract

1 + 1 + 2.5 + 1.5 + 1.5 - 0.5 = 7

Filip

Table with 5 columns: QUESTIONS ASKED, REVIEW OF REPORT, REVIEW OF OPPOSITION, DISCUSSION ANALYSIS, MISSED POINTS POINTED OUT, and ANSWERS TO JURY QUESTIONS.

NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range.



**REPORTER**  
 Start from 1 and add/subtract  
 $1 + 3 + 1.5 - \square = 5$  5.5

Jakub

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT		ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS	
								relevant arguments/responses	reporter's conduct in the discussion		
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	too few	poor/aggressive	0	concise and correct or no questions asked
1	some	some	some	some	review of sources, cited	partly	partly clear	some	partly fine	1	some incorrect, inconclusive or too long
2	fair	fair	fair	qualitative agreement	some own input	average	average	many	good	2	deeply incorrect or shows deep misconceptions
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	+ data/theory supported	some aspects efficient	3	
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	proved deep understanding	overall efficient		
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated				

NOTES:

**OPPONENT**  
 Start from 1 and add/subtract  
 $1 + 1 + 2.5 + 1.5 - 0.5 = 6$

Victor

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS	
	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion		
0	too few, mostly irrelevant	almost nothing	too few	poor	almost none	too few	poor/aggressive	0	concise and correct or no questions asked
1	relevant, aimed at resolving unclear points in the report	some main points	some	reasonable	too few/many	some	some aspects fine	1	some incorrect, inconclusive or too long
2	+ short, apt and clear, well prioritised, all time used	main points	some correct	fair	partially relevant	some correct	good	2	deeply incorrect or shows deep misconceptions
3		all relevant points	many correct	efficient	mostly relevant	many correct	some aspects efficient	3	
4		practically all points	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	4	

NOTES:

**REVIEWER**  
 Start from 1 and add/subtract  
 $1 + 1 + 2 + 1 + 1 - 0.5 - 0.5 = 6$

Samuel

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions		
0	poor/wrong	irrelevant	poor/wrong	irrelevant	poor	irrelevant	-1	irrelevant
1	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	0	none
2	good	mostly correct/prioritised	good	mostly correct/prioritised	relevant parts	many	1	relevant, constructive
3	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate	2	

NOTES:

4 <sup>R-2</sup> 4/1

Jas Mohammad

**REPORTER** Start from 1 and add/subtract

1 + 2.5 + 1 -    = 4 <sup>4.5</sup>

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5			and errors analysis		and considerable theoretical				
6	deep and comprehensible, shows physical insight	detailed, complex, completely testable		well fitting, deviations analysed, conclusive		greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient
7									

NOTES:

**OPPONENT** Start from 1 and add/subtract

1 + 1 + 1.5 + 1 -    = 5 <sup>4.5</sup>

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS					
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	concise and correct or no questions asked
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	some incorrect, inconclusive or too long
2	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	deeply incorrect or shows deep misconceptions
3	main points	partially relevant	some correct	fair	partially relevant	some correct	good	
4	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	
5	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	

NOTES:

**REVIEWER** Start from 1 and add/subtract

1 + 1.5 + 2 + 1 + 1 - 0 - 0 = 7 <sup>6.5</sup>

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS		
0	evaluation & understanding	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	irrelevant	concise and correct or no questions asked
1	poor/wrong	irrelevant	irrelevant	poor	irrelevant	none	some incorrect, inconclusive or too long
2	superficial	partially relevant/correct	partially relevant/correct	superficial	some	relevant, constructive	deeply incorrect or shows deep misconceptions
3	good	mostly correct/prioritised	mostly correct/prioritised	relevant parts	many		
4	apt, accurate	fully adequate, well prioritised	fully adequate, well prioritised	accurate, convincing	fully adequate		

NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range.

Katarina Kevicka

3 fyzboj, 3 celo

**REPORTER**

Start from 1 and add/subtract

1 + 3 + 1.5 - 0.5 = 5

Michael Tomaga

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS		
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	0	concise and correct or no questions asked
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive	0	some incorrect, inconclusive or too long
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine	1	deeply incorrect or shows deep misconceptions
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good	1	
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient	2	
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	3	

NOTES:

s rozširím polemerom rastie ničimale' dyn. trenia???

valec -> neopplyvnúť by to ?

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 2.5 + 1.5 - 0 = 6

Lukas Janko

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS						
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	0	concise and correct or no questions asked
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	0	some incorrect, inconclusive or too long
1	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	1	deeply incorrect or shows deep misconceptions
2	main points	partially relevant	some correct	fair	partially relevant	some correct	good	1	
3	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	2	
4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	2	

NOTES:

humidity  
hollow balls ✓

**REVIEWER**

Start from 1 and add/subtract

1 + 1.5 + 2.5 + 2 + 1 - 0 - 0 = 9

Alex Onelka

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS	
0	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	0	concise and correct or no questions asked
1	poor/wrong	poor/wrong	poor	irrelevant	-1	some incorrect, inconclusive or too long
1	superficial	superficial	superficial	some	0	deeply incorrect or shows deep misconceptions
2	good	good	relevant parts	many	0	
3	apt, accurate	apt & accurate	accurate, convincing	fully adequate	1	
					2	

NOTES: deceleration

Katarina Revicka'

5

3. Fyzboji, 2. kolo

Victor Csontos

**REPORTER**

Start from 1 and add/subtract

1 + 4.5 + 2.5 - 0 = 8

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT		ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive	
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine	
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good	
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient	
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	
6										

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 3.5 + 1.5 - 0 = 7

Katarina Gersova'

force vs velocity

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS
0 too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	
1 relevant, aimed at resolving unclear points in the report	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	
2 + short, apt and clear, well prioritised, all time used	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	
	main points	partially relevant	some correct	fair	partially relevant	some correct	good	
	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	
	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	

NOTES:

plastic mesh  
irrelevant  
stable flow

top water → constant?  
ratio of audible vs.

aggressive → did not let the reporter finish  
(number of slides?)

**REVIEWER**

Start from 1 and add/subtract

1 + 1 + 0 + 1 + 0 - 0 = 3

Adam Ilcik

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0 too few, mostly irrelevant	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	irrelevant	
1 relevant, meant to clarify unclear points	poor/wrong	irrelevant	poor/wrong	irrelevant	poor	irrelevant	none	
2 + suitably allotted to Rep & Opp, most time used	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	relevant, constructive	
3 + short, apt and clear, well prioritised, time managed efficiently	good	mostly correct/prioritised	good	mostly correct/prioritised	relevant parts	many		
	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate		

NOTES: velocity equation → derived



Katarina Revická 3. Fyzikaj, 1 kolo

15 Pancake Rotation

**REPORTER**

Start from 1 and add/subtract

1 + 2 + 2 - 1 = 4

Samuel Soudor

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5			and errors analysis		and considerable theoretical				
6	deep and comprehensible, shows physical insight	detailed, complex, completely testable		well fitting, deviations analysed, conclusive		greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient
7									

NOTES:

marbles count (but also size!) size (irrelevant)

angular velocity of marbles number of balls is the origin of density

random parameters movement starts with force :D

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 3 + 2 - 1 = 6

Alan Swelka

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS					
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	concise and correct or no questions asked
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	no questions asked
2	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	some incorrect, inconclusive or too long
3	main points	partially relevant	some correct	fair	partially relevant	some correct	good	deeply incorrect or shows deep misconceptions
4	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	
5	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	

NOTES:

video of counterrotation size vs. density vs. solidish vs. liquidish?

angular velocity -> changing it table with experiments changing different parameters at once

led me finish :D

**REVIEWER**

Start from 1 and add/subtract

1 + 2 + 2 + 1 + 1 ± 1 - 0 = 8

Marian Kovač

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS			
0	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	irrelevant	concise and correct or no questions asked
1	poor/wrong	irrelevant	poor/wrong	irrelevant	poor	irrelevant	none	some incorrect, inconclusive or too long
2	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	relevant, constructive	deeply incorrect or shows deep misconceptions
3	good	mostly correct/prioritised	good	mostly correct/prioritised	relevant parts	many		
4	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate		

NOTES: Coriolis Force Relevant friction

GJH

17 Spondotacis 4's

**REPORTER**

Start from 1 and add/subtract

1 +  +  -  =

5

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT		ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
								relevant arguments/responses	reporter's conduct in the discussion	
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	too few	poor/aggressive	0
1	some	some	some	some	review of sources, cited	partly	partly clear	some	partly fine	1
2	fair	fair	fair	qualitative agreement	some own input	average	average	many	good	2
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	+ data/theory supported	some aspects efficient	3
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	proved deep understanding	overall efficient	4
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated			5

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 +  +  +  -  =

70+50

3

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS
		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	0
1	almost nothing	almost none	too few	poor/aggressive	1
2	some main points	too few/many	some	some aspects fine	2
3	main points	partially relevant	some correct	good	3
4	all relevant points	mostly relevant	many correct	some aspects efficient	4
5	practically all points	+ well prioritised	+ improvement suggestions	overall efficient	5

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 +  +  +  +  ±  -  =

156

5

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions		
0	poor/wrong	irrelevant	poor/wrong	irrelevant	poor	irrelevant	-1	0
1	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	0	1
2	good	mostly correct/prioritised	good	mostly correct/prioritised	relevant parts	many	0	2
3	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate	1	3

NOTES:

# 16 Terminology thing

## REPORTER

Start from 1 and add/subtract

$$1 + \square + \square - \square = \square$$

PO+SO

4

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT		ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
							relevant arguments/responses	reporter's conduct in the discussion		
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	too few	poor/aggressive	0
1	some	some	some	some	review of sources, cited	partly	partly clear	some	partly fine	1
2	fair	fair	fair	qualitative agreement	some own input	average	average	many	good	2
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	+ data/theory supported	some aspects efficient	3
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	proved deep understanding	overall efficient	4
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated			5

NOTES:

## OPPONENT

Start from 1 and add/subtract

$$1 + \square + \square + \square - \square = \square$$

156

4

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS
	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	
0	too few, mostly irrelevant	almost nothing	too few	poor	almost none	too few	poor/aggressive	0
1	relevant, aimed at resolving unclear points in the report	some main points	some	reasonable	too few/many	some	some aspects fine	1
2	+ short, apt and clear, well prioritised, all time used	main points	some correct	fair	partially relevant	some correct	good	2
		all relevant points	many correct	efficient	mostly relevant	many correct	some aspects efficient	3
		practically all points	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	4

NOTES:

## REVIEWER

Start from 1 and add/subtract

$$1 + \square + \square + \square + \square \pm \square - \square = \square$$

GJH

5

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions		
0	too few, mostly irrelevant	poor/wrong	poor/wrong	irrelevant	poor	irrelevant	irrelevant	0
1	relevant, meant to clarify unclear points	superficial	superficial	partially relevant/correct	superficial	some	none	1
2	+ suitably allotted to Rep & Opp, most time used	good	good	mostly correct/prioritised	relevant parts	many	relevant, constructive	2
3	+ short, apt and clear, well prioritised, time managed efficiently	apt, accurate	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate		3

NOTES:

1SG

14 JET REFRACTION



REPORTER

Start from 1 and add/subtract

1 + [ ] + [ ] - [ ] = [ ]

7-8

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS	
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long 2 deeply incorrect or shows deep misconceptions
1	some	some	some	some	review of sources, cited	partly	partly clear			
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine	
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good	
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient	
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	
7										

NOTES:

GJH

5

OPPONENT

Start from 1 and add/subtract

1 + [ ] + [ ] + [ ] - [ ] = [ ]

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS		
0 too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long 2 deeply incorrect or shows deep misconceptions		
1 relevant, aimed at resolving unclear points in the report	almost nothing	almost none		too few	poor/aggressive
2 + short, apt and clear, well prioritised, all time used	some main points	too few/many		some	some aspects fine
	main points	partially relevant		some correct	good
	all relevant points	mostly relevant		many correct	some aspects efficient
	practically all points	+ well prioritised	+ improvement suggestions	overall efficient	

NOTES:

REVIEWER

Start from 1 and add/subtract

1 + [ ] + [ ] + [ ] + [ ] ± [ ] - [ ] = [ ]

PO+SO

7-8

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS	
0 too few, mostly irrelevant	evaluation & understanding	speech evaluation	discussion evaluation	1 irrelevant 0 none 1 relevant, constructive	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long 2 deeply incorrect or shows deep misconceptions	
1 relevant, meant to clarify unclear points	poor/wrong	poor/wrong	poor			irrelevant
2 + suitably allotted to Rep & Opp, most time used	superficial	superficial	superficial			some
3 + short, apt and clear, well prioritised, time managed efficiently	good	good	relevant parts	many		
	apt, accurate	apt & accurate	accurate, convincing	fully adequate		

NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range



Baranek 2-3 5x (17)

**REPORTER**

Start from 1 and add/subtract

1 + ~~1~~ + 0.75 - 0.25 = 3

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT		ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive	
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine	
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good	
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient	
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	
6										

NOTES: + impact position of FR? please, units shift (0,0004?) (erranol. chybaj granica d??

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 1 + 0.5 -  = 4

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS
	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	
0	too few, mostly irrelevant	almost nothing	too few	poor	almost none	too few	poor/aggressive	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long 2 deeply incorrect or shows deep misconceptions 3
1	relevant, aimed at resolving unclear points in the report	some main points	some	reasonable	too few/many	some	some aspects fine	
2	+ short, apt and clear, well prioritised, all time used	main points	some correct	fair	partially relevant	some correct	good	
3		all relevant points	many correct	efficient	mostly relevant	many correct	some aspects efficient	
4		practically all points	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1.5 + 2 + 1.5 + 1 + 0 - 0 = 6

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions		
0	too few, mostly irrelevant	poor/wrong	poor/wrong	irrelevant	poor	irrelevant	1 irrelevant	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long 2 deeply incorrect or shows deep misconceptions 3
1	relevant, meant to clarify unclear points	superficial	superficial	partially relevant/correct	superficial	some	0 none	
2	+ suitably allotted to Rep & Opp, most time used	good	good	mostly correct/prioritised	relevant parts	many	0 relevant, constructive	
3	+ short, apt and clear, well prioritised, time managed efficiently	apt, accurate	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate	1	
4								

NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range.

Baranek 2-1

Prešov 11 rej 9 rej 16

**REPORTER**

Start from 1 and add/subtract

1 + 1,5 + 1,75 - 0,75 = 4

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	concise and correct or no questions asked
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	questions asked
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	some incorrect, inconclusive or too long
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	deeply incorrect or shows deep misconceptions
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	
5									
6	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	
7									

NOTES:

a is 4-time smaller than tube - BS!  $\frac{31}{2}$  is  $\frac{2}{5}$  cooler not in set? 2ms? 7-7?

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 2,5 + 2 - 0,5 = 6

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	concise and correct or no questions asked
1	almost nothing	almost none	questions asked
2	some main points	too few/many	some incorrect, inconclusive or too long
3	main points	partially relevant	deeply incorrect or shows deep misconceptions
4	all relevant points	mostly relevant	
5	practically all points	+ well prioritised	

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1,5 + 1,75 + 1 + 0,75 - 0,5 - 0,5 = 5

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	irrelevant	concise and correct or no questions asked
1	poor/wrong	poor/wrong	poor	none	some incorrect, inconclusive or too long
2	superficial	superficial	superficial	relevant, constructive	deeply incorrect or shows deep misconceptions
3	good	good	relevant parts		
4	apt, accurate	apt & accurate	accurate, convincing		

NOTES:

compressible air?

**REPORTER**

Start from 1 and add/subtract

1 + 4 + 1 - 0.5 = 6

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT		ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
								relevant arguments/responses	reporter's conduct in the discussion	
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	too few	poor/aggressive	0
1	some	some	some	some	review of sources, cited	partly	partly clear	some	partly fine	1
2	fair	fair	fair	qualitative agreement	some own input	average	average	many	good	2
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	+ data/theory supported	some aspects efficient	3
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	proved deep understanding	overall efficient	4
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated			5

NOTES:  $n < 1$  but  $n > 1$ ?? why average everything to 1 n?  $\frac{1}{2}$

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 1.5 + 0.75 = 4

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS
		topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	
0	understanding of presentation	almost none	too few	poor	0
1	topics raised and their prioritisation	some main points	some	reasonable	1
2	own opinions presented	main points	some correct	fair	2
3	time management	all relevant points	many correct	efficient	3
4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	4

NOTES: what flow?

**REVIEWER**

Start from 1 and add/subtract

1 + 1.5 + 0.5 + 0.75 + 0.75 + 0 = 5

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions		
0	poor/wrong	irrelevant	poor/wrong	irrelevant	poor	irrelevant	-1	0
1	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	0	1
2	good	mostly correct/prioritised	good	mostly correct/prioritised	relevant parts	many	1	2
3	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate	2	3

NOTES: what theory? sieve comparison solo! das sieb - je dicker schicht z djeck?

17

9/14

Polakov

**REPORTER** Start from 1 and add/subtract  
 1 + 1.5 + 1 - 1 = 2

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly average	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES:  $\sqrt{2}$  axis Pres 1 ↑ tvar Eclesnikura

**OPPONENT** Start from 1 and add/subtract  
 1 + 1 + 1.5 + 1 - 0 = 4

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
1	almost nothing	almost none	too few
2	some main points	too few/many	some
3	main points	partially relevant	some correct
4	all relevant points	mostly relevant	many correct
5	practically all points	+ well prioritised	+ improvement suggestions

NOTES: ideal length 9 friction 1.56 Omelia

**REVIEWER** Start from 1 and add/subtract  
 1 + 1.5 + 1.5 + 1 + 1 ± 0 - 0 = 6

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	irrelevant
1	poor/wrong	poor/wrong	poor	irrelevant	none
2	superficial	superficial	superficial	some	relevant, constructive
3	good	good	relevant parts	many	
4	apt, accurate	apt & accurate	accurate, convincing	fully adequate	

NOTES: IYPT - November 2022

Please, suitably adjust your grades taking into regard the [1,10] range.



**REPORTER**

Start from 1 and add/subtract

1 + 2.5 + 1 - 0 = 5

100%

14

~~150~~

150

licilova

Samuel (Cem)

turb

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT		ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS	
								relevant arguments/responses	reporter's conduct in the discussion		
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	too few	poor/aggressive	0	concise and correct or no questions asked
1	some	some	some	some	review of sources, cited	partly	partly clear	some	partly fine	1	some incorrect, inconclusive or too long
2	fair	fair	fair	qualitative agreement	some own input	average	average	many	good	2	deeply incorrect or shows deep misconceptions
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done			3	
4	detailed demonstrative	quite detailed, correct	OR multitude of parameters examined	+ limits discussed	OR considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient		
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient		

NOTES:

nice can do it

**OPPONENT**

Start from 1 and add/subtract

1 + 0.5 + 1.5 + 1.5 - 0 = 5

good explanation

9/4

Memorise

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS	
	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion		
0	too few, mostly irrelevant	almost nothing	too few	poor	almost none	too few	poor/aggressive	0	concise and correct or no questions asked
1	relevant, aimed at resolving unclear points in the report	some main points	some	reasonable	too few/many	some	some aspects fine	1	some incorrect, inconclusive or too long
2	+ short, apt and clear, well prioritised, all time used	main points	some correct	fair	partially relevant	some correct	good	2	deeply incorrect or shows deep misconceptions
3		all relevant points	many correct	efficient	mostly relevant	many correct	some aspects efficient	3	
4		practically all points	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	4	

NOTES:

not clear what mean by flow speed?

**REVIEWER**

Start from 1 and add/subtract

1 + 1 + 1.5 + 1 + 1 - 0.5 = 5

Prešov

Behara

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions		
0	too few, mostly irrelevant	poor/wrong	poor/wrong	irrelevant	poor	irrelevant	-1	irrelevant
1	relevant, meant to clarify unclear points	superficial	superficial	partially relevant/correct	superficial	some	0	none
2	+ suitably allotted to Rep & Opp, most time used	good	good	mostly correct/prioritised	relevant parts	many	1	relevant, constructive
3	+ short, apt and clear, well prioritised, time managed efficiently	apt, accurate	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate	2	

NOTES:

trivial q?

p < u

theory compared?

minor theory inaccuracies

glass irrelevant



eff?  
chladenie?

16



3/4 1/4 prešov

Samuel Kern

also email: M

**REPORTER**  
Start from 1 and add/subtract  
1 + 1.5 + 1 - 1 = 3

ideal placement? 1/4?

REPORT	phenomenon explanation	theory/model	re'evant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	OR multitude of parameters examined	+ limits discussed	OR considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES:

**OPPONENT**  
Start from 1 and add/subtract  
1 + 1 + 2 + 2 - 1 = 5

no piston? wool cooling

+/- ✓

159

Rumelka

golobu coolena?

did not asked about cooling

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0 too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented
1 relevant, aimed at resolving unclear points in the report	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion
2 + short, apt and clear, well prioritised, all time used	almost nothing	almost none	too few
	some main points	too few/many	some
	main pc nts	partially relevant	some correct
	all relevant points	mostly relevant	many correct
	practically all points	+ well prioritised	+ improvement suggestions

NOTES:  
PW = P d d X

**REVIEWER**  
Start from 1 and add/subtract  
1 + 1 + 1.5 + 1 + 1 - 1 = 4

GM

unit

Hojak

$\frac{1^2}{2} = 20$

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0 X too few, mostly irrelevant	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	concise and correct or no questions asked
1 relevant, meant to clarify unclear points	pros & cons prioritisation	pros & cons prioritisation	correct own opinions	irrelevant	some incorrect, inconclusive or too long
2 + suitably allotted to Rep & Opp, most time used	poor/wrong	poor/wrong	poor	irrelevant	deeply incorrect or shows deep misconceptions
3 + short, apt and clear, well prioritised, time managed efficiently	superficial	superficial	superficial	relevant, constructive	
	good	good	relevant parts		
	apt, accurate	apt & accurate	accurate, convincing		

NOTES:

nikt si nevziem jednotly

**REPORTER**

Start from 1 and add/subtract  
 $1 + 3 + 1.5 - 0 = 6$

Linear? Eddy? ... Enter why

(8) rh D M I

LHO unfortunate

Sandor

Samuel Carr

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	OR multitude of parameters examined	+ limits discussed	OR considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5									
6	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall: efficient
7									

NOTES:

**OPPONENT**

Start from 1 and add/subtract  
 $1 + 0.5 + 1.75 + 1 - 0 = 4$

Handwritten scribbles

Handwritten scribbles

Mieuch

A court e - bt

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	too few, mostly irrelevant	topics raised and their prioritisation	own opinions presented
1	relevant, aimed at resolving unclear points in the report	almost none	too few
2	+ short, apt and clear, well prioritised, all time used	too few/many	some
		partially relevant	some correct
		mostly relevant	many correct
		+ well prioritised	+ improvement suggestions

NOTES:

**REVIEWER**

Start from 1 and add/subtract  
 $1 + 1 + 1 + 1 + 1 + 0 - 0 = 5$

Ferraj mi simple panel

relevant?

wind discussion

focus on model prove then it's same? dumping above?

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	irrelevant	concise and correct or no questions asked
1	poor/wrong	poor/wrong	poor	none	some incorrect, inconclusive or too long
2	superficial	superficial	superficial	relevant, constructive	deeply incorrect or shows deep misconceptions
3	good	good	relevant parts		
4	apt, accurate	apt & accurate	accurate, convincing		

NOTES:

Handwritten scribbles

harmonic again plate?

x, y measured? approximated

Samuel Ker

Mie vcha

**REPORTER**

Start from 1 and add/subtract

$$1 + 2 + 3 - 2 = 7$$

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	OR multitude of parameters examined	+ limits discussed	OR considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5			and errors analysis						
6	deep and comprehensible, shows physical insight	detailed, complex, completely testable		well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient
7									

NOTES:

**OPPONENT**

Start from 1 and add/subtract

$$1 + 1 + 3 + 1.5 - 0 = 5.5$$

Polona

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS						
0	too few, mostly irrelevant	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	0	too few	poor/aggressive	0	concise and correct or no questions asked
1	relevant, aimed at resolving unclear points in the report	almost nothing	too few	poor	1	some	some aspects fine	1	some incorrect, inconclusive or too long
2	+ short, apt and clear, well prioritised, all time used	some main points	too few/many	reasonable	2	main points	partially relevant	2	deeply incorrect or shows deep misconceptions
		main points	partially relevant	fair	3	all relevant points	mostly relevant	3	
		practically all points	+ well prioritised	+ all time used	4			4	

NOTES:

**REVIEWER**

Start from 1 and add/subtract

$$1 + 1 + 0.75 + 0.75 + 0.5 - 0 - 0 = 3$$

Zeveik

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS				
0	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	0	irrelevant	0	0	concise and correct or no questions asked
1	poor/wrong	poor/wrong	poor	irrelevant	1	irrelevant	1	1	some incorrect, inconclusive or too long
2	superficial	superficial	superficial	some	2	none	2	2	deeply incorrect or shows deep misconceptions
3	good	good	good	many	3	relevant, constructive	3	3	
4	apt, accurate	apt & accurate	apt & accurate	fully adequate	4		4	4	

NOTES:

english?



REPORTER Start from 1 and add/subtract  
 1 + 2 + 1.25 -  = 4

7  
 nádobu? málo analyz  
 touch bowl surface  
 více vnitřní hmot?

~~Samuel Kern~~ Roddilsley

2018

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT		ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
								relevant arguments/responses	reporter's conduct in the discussion	
0	* almost no	X almost no	almost no	X almost no	almost no	misunderstood	unclear, chaotic	0	too few	X concise and correct or no questions asked
1	some	some	some	some	review of sources, cited	partly	partly clear	1	some	some incorrect, inconclusive or too long
2	fair	fair	fair	qualitative agreement	some own input	X average	X average	2	X many	deeply incorrect or shows deep misconceptions
3	good	good	X good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	3	+ data/theory supported	
4	detailed demonstrative	quite detailed, correct	OR mult tude of parametres examined	+ limits discussed	OR considerable experimental	interesting solution	overall clear, demonstrative		proved deep understanding	
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	OR and errors analysis	well fitting, deviations analysed, conclusive	OR and considerable theoretical	greater extent than expected	+ complex concepts well communicated		overall efficient	
6										
7										

stability definition

df = unit

poor expt. of what do we see what does any lit do? factory diagram? opponent so spy tool

OPPONENT Start from 1 and add/subtract  
 1 + 1.5 + 2 + 1.5 - 0 = 6

~~Samuel Kern~~ Jaeko

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS
	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	
0	too few, mostly irrelevant	almost nothing	too few	poor	0	too few	poor/aggressive	X concise and correct or no questions asked
1	relevant, aimed at resolving unclear points in the report	some main points	X some	X reasonable	1	too few/many	some aspects fine	some incorrect, inconclusive or too long
2	X + short, apt and clear, well prioritised, all time used	X main points	some correct	fair	2	partially relevant	X good	deeply incorrect or shows deep misconceptions
		all relevant points	many correct	efficient	3	X mostly relevant	some aspects efficient	
		practically all points	+ improvement suggestions	+ all time used	4	+ well prioritised	overall efficient	

REVIEWER Start from 1 and add/subtract  
 1 + 1.5 + 2 + 1.25 + 1 + -0.5 - 0 = 6

Lavrikova

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions		
0	poor/wrong	irrelevant	poor/wrong	irrelevant	0	poor	irrelevant	X concise and correct or no questions asked
1	superficial	partially relevant/correct	superficial	partially relevant/correct	1	superficial	X none	some incorrect, inconclusive or too long
2	X good	X mostly correct/prioritised	X good	X mostly correct/prioritised	2	relevant parts	many	deeply incorrect or shows deep misconceptions
3	apt accurate	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised	3	X accurate, convincing	fully adequate	
					4		relevant, constructive	

NOTES:

16. Accoustic @ engine by GJAR = Karimca

Opp: 1SG: Anallaa Lev: 654  
Horian

(P2 SA)

**REPORTER**  
Start from 1 and add/subtract  
1 + 1 + 1.5 - 0 = 3.5

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES:

**OPPONENT**  
Start from 1 and add/subtract  
1 + 1.75 + 2.5 + 2.25 = 7.5

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
0	almost nothing	almost none	too few
1	some main points	too few/many	some
1	main points	partially relevant	some correct
2	all relevant points	mostly relevant	many correct
3	practically all points	+ well prioritised	+ improvement suggestions

NOTES:  
 @ why oxide works  
 @ how measure efficiency  
 @ how sound E  
 @ what kind of noise

@ should the wood cool?  
 @ how do you oscillate  
 @ how connection theory  
 @ errors

- too much time spent on optical design  
 - power of the sound  $\rightarrow \eta = ? \approx 1E5$

**REVIEWER**  
Start from 1 and add/subtract  
1 + 1.5 + 1.5 + 1 + 0.75 = 6.25

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	irrelevant	concise and correct or no questions asked
0	poor/wrong	poor/wrong	poor	none	some incorrect, inconclusive or too long
1	superficial	superficial	superficial	relevant parts	deeply incorrect or shows deep misconceptions
1	good	good	relevant parts	relevant, constructive	
2	apt, accurate	apt & accurate	accurate, convincing		

NOTES:  
 @ external cooling  
 @ can you determine efficiency of engine from sound  
 @ how is standing wave related to the piston

@ best time management

Please, suitably adjust your grades taking into regard the [1,10] range.

Rep 5-6

Opp: 6JH  
Naveeh

Rep: PD FS  
Lucia B. ...

F2S2

Re

**REPORTER**  
Start from 1 and add/subtract  
1 + 3.5 + 1 - 0 = 6

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5			and errors analysis		and considerable theoretical				
6	deep and comprehensible, shows physical insight	detailed, complex, completely testable		well fitting, deviations analysed, conclusive		greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient
7									

NOTES:

**OPPONENT**  
Start from 1 and add/subtract  
1 + 1 + 1.5 + 1.5 - 0 = 5

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
1	almost nothing	almost none	too few
2	some main points	too few/many	some
3	main points	partially relevant	some correct
4	all relevant points	mostly relevant	many correct
5	practically all points	+ well prioritised	+ improvement suggestions

NOTES:

**REVIEWER**  
Start from 1 and add/subtract  
1 + 0.75 + 0.5 + 0.75 + 1.05 = 5

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	irrelevant	concise and correct or no questions asked
1	poor/wrong	poor/wrong	poor	none	some incorrect, inconclusive or too long
2	superficial	superficial	superficial	relevant, constructive	deeply incorrect or shows deep misconceptions
3	good	good	relevant parts		
4	apt accurate	apt & accurate	accurate, convincing		

NOTES: when worked best  
detailed -  
had least of attachment? didn't change flow rate  
viscosity less important than ?

1. properties of flow  
2. irrelevant flow discussion  
what comes it to stick to the wall - didn't discuss it further

17 Arrested bed

Substitution

F2 S3

**REPORTER**

Start from 1 and add/subtract

1 + 1.5 - 1 = 4

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES: - looked for parameters but not much evidence  
- didn't estimate drag coeff  
- no +1.5 E compensation

**OPPONENT**

Start from 1 and add/subtract

1 + 1.5 + 1.5 - 0.5 = 4

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS					
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	concise and correct or no questions asked
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	some incorrect, inconclusive or too long
2	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	deeply incorrect or shows deep misconceptions
3	main points	partially relevant	some correct	fair	partially relevant	some correct	good	
4	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	
5	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1.5 + 1.5 + 1.5 + 1.5 = 7

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	concise and correct or no questions asked
1	poor/wrong	poor/wrong	poor	irrelevant	some incorrect, inconclusive or too long
2	superficial	superficial	superficial	some	deeply incorrect or shows deep misconception
3	good	good	relevant parts	many	
4	apt, accurate	fully adequate, well prioritised	accurate, convincing	fully adequate	

NOTES:

- no explanation of results  
- no own opinions  
- not good prioritisation  
- friction slows down



### REPORTER

Start from 1 and add/subtract

$$1 + 2,7 + 1 - 1 = 4$$

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly average	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	some aspects above average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results		some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5			and errors analysis		and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient
6	deep and comprehensible, shows physical insight	detailed, complex, completely testable		well fitting, deviations analysed, conclusive					
7									

NOTES:

### OPPONENT

Start from 1 and add/subtract

$$1 + 0,7 + 2 + 2,7 - \square = 6$$

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS					
0	too few, mostly irrelevant	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	concise and correct or no questions asked
1	relevant, aimed at resolving unclear points in the report	almost nothing	too few	poor	almost none	too few	poor/aggressive	some incorrect, inconclusive or too long
2	+ short, apt and clear, well prioritised, all time used	some main points	too few/many	reasonable	too few/many	some	some aspects fine	deeply incorrect or shows deep misconceptions
		main points	partially relevant	fair	partially relevant	some correct	good	
		all relevant points	mostly relevant	efficient	mostly relevant	many correct	some aspects efficient	
		practically all points	+ well prioritised	+ improvement suggestions	+ well prioritised	+ improvement suggestions	overall efficient	

NOTES:

### REVIEWER

Start from 1 and add/subtract

$$1 + 2 + 1,7 + 1 + 0,5 \pm \square - \square = 6$$

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	concise and correct or no questions asked
1	pros & cons prioritisation	pros & cons prioritisation	correct own opinions	correct own opinions	some incorrect, inconclusive or too long
1	poor/wrong	poor/wrong	poor	irrelevant	deeply incorrect or shows deep misconception
2	superficial	superficial	superficial	some	
3	good	good	relevant parts	many	
	partially relevant/correct	partially relevant/correct	accurate, convincing	fully adequate	
	mostly correct/prioritised	mostly correct/prioritised			
	fully adequate, well prioritised	fully adequate, well prioritised			
		apt & accurate			

NOTES:

16

M2te) Wavots

**REPORTER**

Start from 1 and add/subtract

1 + 1,5 + 1,2 - 0,7 = 3

GJR Karol Marinic

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS		
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	0	concise and correct or no questions asked
1	some	some	some	some	review of sources, cited	partly average	partly clear	too few	poor/aggressive	0	some incorrect, inconclusive or too long
2	fair	fair	fair	qualitative agreement	some own input	some aspects above average	average	some	partly fine	1	deeply incorrect or shows deep misconceptions
3	good	good	good	quantitative agreement	+ some interesting results	interesting solution	well done	many	good	1	
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	greater extent than expected	overall clear, demonstrative	+ data/theory supported	some aspects efficient	2	
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	+ complex concepts well communicated		proved deep understanding	overall efficient	3	

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1,2 + 3,5 + 2,7 - 1 = 7

1sg Alex

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS	
	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion		
0	too few, mostly irrelevant	almost nothing	too few	poor	almost none	too few	poor/aggressive	0	concise and correct or no questions asked
1	relevant, aimed at resolving unclear points in the report	some main points	some	reasonable	too few/many	some	some aspects fine	1	some incorrect, inconclusive or too long
2	+ short, apt and clear, well prioritised, all time used	main points	some correct	fair	partially relevant	some correct	good	1	deeply incorrect or shows deep misconceptions
3		all relevant points	many correct	efficient	mostly relevant	many correct	some aspects efficient	2	
4		practically all points	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	3	

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1,5 + 2 + 1 + 1 ± [ ] - [ ] = 6

GJH Marisa Heilige

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions		
0	too few, mostly irrelevant	irrelevant	poor/wrong	irrelevant	poor	irrelevant	1	irrelevant
1	relevant, meant to clarify unclear points	partially relevant/correct	superficial	partially relevant/correct	superficial	some	0	none
2	+ suitably allotted to Rep & Opp, most time used	mostly correct/prioritised	good	mostly correct/prioritised	relevant parts	many	1	relevant, constructive
3	+ short, apt and clear, well prioritised, time managed efficiently	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate	2	

NOTES:

(7)

**REPORTER**

Start from 1 and add/subtract

1 + 1.5 + 1 -  =

GJH

Maxim Rozdilsky

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT		ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	<input checked="" type="checkbox"/> almost no	almost no	<input checked="" type="checkbox"/> almost no	<input checked="" type="checkbox"/> almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	
1	some	some	some	some	review of sources, cited	<input checked="" type="checkbox"/> partly	partly clear	too few	poor/aggressive	
2	<input checked="" type="checkbox"/> fair	fair	<input checked="" type="checkbox"/> fair	qualitative agreement	some own input	average	average	<input checked="" type="checkbox"/> some	<input checked="" type="checkbox"/> partly fine	
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	<input checked="" type="checkbox"/> many	<input checked="" type="checkbox"/> good	
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient	
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	
6										

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1.5 + ~~2~~ + 2 -  =

Poitovs Lukas Jocko

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS	
0	too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented		opponent's conduct in the discussion
1	relevant, aimed at resolving unclear points in the report	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	
2	<input checked="" type="checkbox"/> + short, apt and clear, well prioritised, all time used	some main points	too few/many	some	reasonable	too few/many	<input checked="" type="checkbox"/> some	some aspects fine	
3		<input checked="" type="checkbox"/> main points	partially relevant	some correct	fair	partially relevant	<input checked="" type="checkbox"/> some correct	good	
4		all relevant points	mostly relevant	<input checked="" type="checkbox"/> many correct	efficient	mostly relevant	many correct	some aspects efficient	
5		<input checked="" type="checkbox"/> practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 2 + 3 + 1.5 + 1 ±  -  =

Cross product Luiza Les Levitovs

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	too few, mostly irrelevant	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	
1	relevant, meant to clarify unclear points	poor/wrong	irrelevant	poor/wrong	irrelevant	poor	irrelevant	
2	+ suitably allotted to Rep & Opp, most time used	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	
3	<input checked="" type="checkbox"/> + short, apt and clear, well prioritised, time managed efficiently	good	mostly correct/prioritised	good	mostly correct/prioritised	<input checked="" type="checkbox"/> relevant parts	<input checked="" type="checkbox"/> many	
4		apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate	
5								relevant, constructive

NOTES:

Matej Navrota

20 ①

**REPORTER** Start from 1 and add/subtract

1 + 4,0 + 1,7 - 0 = 2

Cross product

Martin Micuch

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT		ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive	some incorrect, inconclusive or too long
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine	
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good	
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient	
5										
6	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	
7										

NOTES:

**OPPONENT** Start from 1 and add/subtract

1 + 1,7 + 3,2 + 2 - 0 = 8

GJH Lubomir Polonec

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS	
0	too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented		opponent's conduct in the discussion
1	relevant, aimed at resolving unclear points in the report	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	some incorrect, inconclusive or too long
2	+ short, apt and clear, well prioritised, all time used	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	
3		main points	partially relevant	some correct	fair	partially relevant	some correct	1 good	
4		all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	
5		practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	

NOTES:

**REVIEWER** Start from 1 and add/subtract

1 + 1 + 1,5 + 1,1 + 0 - 0 = 5

Postovni

Adam Ilcik

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	too few, mostly irrelevant	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	
1	relevant, meant to clarify unclear points	poor/wrong	irrelevant	poor/wrong	irrelevant	poor	irrelevant	some incorrect, inconclusive or too long
2	+ suitably allotted to Rep & Opp, most time used	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	
3	+ short, apt and clear, well prioritised, time managed efficiently	good	mostly correct/prioritised	good	mostly correct/prioritised	relevant parts	many	
4		apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate	

NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range.

8

Maty Nsuote

**REPORTER** Start from 1 and add/subtract  
 1 + 3 + 1 - 0 = 5

Samuel Sidorov Postovs

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES:

**OPPONENT** Start from 1 and add/subtract  
 1 + 1 + 3 + 3 - 0 = 8

Cross Product Martin Miench

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
0	almost nothing	almost none	too few
1	some main points	too few/many	some
2	main points	partially relevant	some correct
3	all relevant points	mostly relevant	many correct
4	practically all points	+ well prioritised	+ improvement suggestions

NOTES:

**REVIEWER** Start from 1 and add/subtract  
 1 + 1.5 + 2 + 1 + 1.5 + 0.3 - 0 = 7

GJH Jakob Nemzek

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	irrelevant	concise and correct or no questions asked
0	poor/wrong	poor/wrong	poor	none	some incorrect, inconclusive or too long
1	superficial	superficial	superficial	relevant parts	deeply incorrect or shows deep misconceptions
2	good	good	accurate, convincing	relevant, constructive	
3	apt, accurate	apt & accurate			

NOTES:



B 17

Matej Novotný

**REPORTER**

Start from 1 and add/subtract

1 + 2,4 + 1,5 - 2 = 3

GTH

Čubomír Pošner

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 1,5 + 1 = 5

GJA

Miriám Jelenczková

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
0	almost nothing	almost none	too few
1	some main points	too few/many	some
2	main points	partially relevant	some correct
3	all relevant points	mostly relevant	many correct
4	practically all points	+ well prioritised	+ improvement suggestions

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1,5 + 1 + 1 + 1 = 6

1SG

ZUZANA ČEKOVÁ

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	irrelevant	concise and correct or no questions asked
0	poor/wrong	poor/wrong	poor	none	some incorrect, inconclusive or too long
1	superficial	superficial	superficial	relevant parts	deeply incorrect or shows deep misconceptions
2	good	good	relevant parts	constructive	
3	apt, accurate	apt & accurate	accurate, convincing		

NOTES:

17

Jaz Mohammad

**REPORTER**

Start from 1 and add/subtract

1 + 3 + 1.5 - 0 = 5.5

Polonec

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS	
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long 2 deeply incorrect or shows deep misconceptions
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive	
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine	
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good	
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient	
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	
7										

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 0.5 + 1.5 - 1 = 2.5

Miriam

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS			
0	too few, mostly irrelevant	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long 2 deeply incorrect or shows deep misconceptions	
1	relevant, aimed at resolving unclear points in the report	understanding of presentation	topics raised and their prioritisation	own opinions presented		
2	+ short, apt and clear, well prioritised, all time used	topics raised and their prioritisation	almost none	too few		poor/aggressive
		own opinions presented	too few/many	some		some aspects fine
		time management	partially relevant	some correct		good
			mostly relevant	many correct	some aspects efficient	
			practically all points	+ improvement suggestions	overall efficient	

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1.5 + 2 - 1 + 1 ± 0.5 = 5.5

Zuzana

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long 2 deeply incorrect or shows deep misconceptions
1	poor/wrong	poor/wrong	poor	irrelevant	
2	superficial	superficial	superficial	none	
3	good	good	relevant parts	relevant, constructive	
4	apt, accurate	apt & accurate	accurate, convincing		
	pros & cons prioritisation	pros & cons prioritisation	correct own opinions		
	irrelevant	irrelevant	irrelevant		
	partially relevant/correct	partially relevant/correct	some		
	mostly correct/prioritised	mostly correct/prioritised	many		
	fully adequate, well prioritised	fully adequate, well prioritised	fully adequate		

NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range

**REPORTER**

Start from 1 and add/subtract

1 + 1 + 1 - 0 = 3

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed, demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

Karol

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1.5 + 3 + 2.5 = 8

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
1	almost nothing	almost none	too few
2	some main points	too few/many	some
3	main points	partially relevant	some correct
4	all relevant points	mostly relevant	many correct
	practically all points	+ well prioritised	+ improvement suggestions

Alex

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1 + 2 + 1.5 + 1.5 + 0.5 = 7

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	irrelevant	concise and correct or no questions asked
1	poor/wrong	poor/wrong	poor	none	some incorrect, inconclusive or too long
2	superficial	superficial	superficial	relevant parts	deeply incorrect or shows deep misconceptions
3	good	good	accurate, convincing	relevant, constructive	
4	apt, accurate	apt & accurate	fully adequate, well prioritised		

Maurice Marian

NOTES:

149

1SG.

Ijaz Mohammad

**REPORTER**

Start from 1 and add/subtract

2 + 3 + 1.5 - [ ] = 6

Zuzana

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT		ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS	
								relevant arguments/responses	reporter's conduct in the discussion		
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic				
1	some	some	some	some	review of sources, cited	partly	partly clear				
2	fair	fair	fair	qualitative agreement	some own input	average	average				
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	0	too few	poor/aggressive	
4	detailed demonstrative	quite detailed, correct	OR multitude of parameters examined	+ limits discussed	OR considerable experimental	interesting solution	overall clear, demonstrative	1	many	good	
5			and errors analysis		and considerable theoretical			2	+ data/theory supported	some aspects efficient	
6	deep and comprehensible, shows physical insight	detailed, complex, completely testable		well fitting, deviations analysed, conclusive		greater extent than expected	+ complex concepts well communicated	3	proved deep understanding	overall efficient	
7										-2	deeply incorrect or shows deep misconceptions

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1.5 + 1 + 2 - [ ] = 6

GJH

Jakub

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS	
	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion		
0	too few, mostly irrelevant				almost none	too few	poor/aggressive	0	concise and correct or no questions asked
1	relevant, aimed at resolving unclear points in the report				too few/many	some	some aspects fine	1	some incorrect, inconclusive or too long
2	+ short, apt and clear, well prioritised, all time used				partially relevant	some correct	good	2	deeply incorrect or shows deep misconceptions
					all relevant points	many correct	some aspects efficient	3	
					practically all points	+ improvement suggestions	overall efficient	4	

NOTES:

**REVIEWER**

Start from 1 and add/subtract

2 + 1 + 1 + 1 + 1 - [ ] - [ ] = 5

PO+SO.

Lucia

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS	
	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions			
0	too few, mostly irrelevant				poor/wrong	irrelevant		0	concise and correct or no questions asked
1	relevant, meant to clarify unclear points				superficial	partially relevant/correct		1	some incorrect, inconclusive or too long
2	+ suitably allotted to Rep & Opp, most time used				good	mostly correct/prioritised		2	deeply incorrect or shows deep misconceptions
					apt, accurate	fully adequate, well prioritised		3	
								4	

NOTES:

2/2

PLR SC4

**REPORTER**

Start from 1 and add/subtract

$$1 + 3.5 - 1.5 - 1 = 5$$

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	OR ↑ multitude of parameters examined	+ limits discussed	OR ↑ considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensive, shows physical insight	detailed, complex, completely testable	and ↓ errors analysis	well fitting, deviations analysed, conclusive	and ↓ considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient
6									
7									

NOTES:

**OPPONENT**

Start from 1 and add/subtract

$$1 + 1 - 1.5 + 2 - \square = 5$$

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS						
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	0	concise and correct or no questions asked
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	0	concise and correct or no questions asked
2	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	1	some incorrect, inconclusive or too long
3	main points	partially relevant	some correct	fair	partially relevant	some correct	good	2	some incorrect, inconclusive or too long
4	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	3	deeply incorrect or shows deep misconceptions
5	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	4	deeply incorrect or shows deep misconceptions

NOTES:

**REVIEWER**

Start from 1 and add/subtract

$$1 + 1.5 + 2.25 + 1.25 + 1.5 + \square - \square = 8$$

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS	
0	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	0	concise and correct or no questions asked
1	poor/wrong	poor/wrong	poor	irrelevant	1	irrelevant
2	superficial	superficial	superficial	some	0	none
3	good	good	relevant parts	many	1	some incorrect, inconclusive or too long
4	apt, accurate	apt & accurate	accurate, convincing	fully adequate	2	deeply incorrect or shows deep misconceptions
5						
6						
7						

NOTES:



# Sheet 2.3

## REPORTER

Start from 1 and add/subtract

$$1 + 1.5 + 0.5 - 1 = 2$$

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	far	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES:

*F<sub>g</sub> vs. "locking" of grains, convex vs. concave, bottle neck, lips of radius, not fully explained table, should c in exp fit be ±, table of slide 20 says otherwise*

## OPPONENT

Start from 1 and add/subtract

$$1 + 1.5 + 3 + 3 - 0 = 9$$

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
0	almost nothing	almost none	too few
1	some main points	too few/many	some
2	main points	partially relevant	some correct
3	all relevant points	mostly relevant	many correct
4	practically all points	+ well prioritised	+ improvement suggestions

NOTES:

*✓ bottle neck of v, the changing shape*

## REVIEWER

Start from 1 and add/subtract

$$1 + 1 + 2 + 1.5 + 1.5 - 0 - 0 = 7$$

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	irrelevant	concise and correct or no questions asked
0	poor/wrong	poor/wrong	poor	none	some incorrect, inconclusive or too long
1	superficial	superficial	superficial	relevant parts	deeply incorrect or shows deep misconceptions
2	good	good	relevant parts	relevant, constructive	
3	apt, accurate	apt & accurate	accurate, convincing		

NOTES:

*possible to parametrize hypothesis*

**REPORTER**

Start from 1 and add/subtract

1 + 5.5 + 2.0 - 0.5 = 7

6

CrossProd

MARTIN HARCZYK

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPONENT		ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS	
								relevant arguments/responses	reporter's conduct in the discussion		
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	too few	poor/aggressive	0	concise and correct or no questions asked
1	some	some	some	some	review of sources, cited	partly	partly clear	some	partly fine	0	some incorrect, inconclusive or too long
2	fair	fair	fair	qualitative agreement	some own input	average	average	many	good	1	some incorrect, inconclusive or too long
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	+ data/theory supported	some aspects efficient	2	deeply incorrect or shows deep misconceptions
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	proved deep understanding	overall efficient	3	
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated				

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1.0 + 2.5 + 1.5 - 0 = 6

6 GYMPOS

SAMUEL PAUDER

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS	
	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion		
0	too few, mostly irrelevant	almost nothing	too few	poor	almost none	too few	poor/aggressive	0	concise and correct or no questions asked
1	relevant, aimed at resolving unclear points in the report	some main points	some	reasonable	too few/many	some	some aspects fine	1	some incorrect, inconclusive or too long
2	+ short, apt and clear, well prioritised, all time used	main points	some correct	fair	partially relevant	some correct	good	2	deeply incorrect or shows deep misconceptions
3		all relevant points	many correct	efficient	mostly relevant	many correct	some aspects efficient	3	
4		practically all points	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	4	

NOTES:

- time use

**REVIEWER**

Start from 1 and add/subtract

1 + 2.0 + 2.5 + 1.5 + 1.5 - 0 = 8

Da Mix

MARTIN ZIGO

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS	
	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions			
0	too few, mostly irrelevant	poor/wrong	poor/wrong	irrelevant	poor	irrelevant	irrelevant	0	concise and correct or no questions asked
1	relevant, meant to clarify unclear points	superficial	superficial	partially relevant/correct	superficial	some	none	1	some incorrect, inconclusive or too long
2	+ suitably allocated to Rep & Opp, most time used	good	good	mostly correct/prioritised	relevant parts	many	relevant, constructive	2	deeply incorrect or shows deep misconceptions
3	short, apt and clear, well prioritised, time managed efficiently	apt, accurate	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate			

NOTES:

Topic 2.2

**REPORTER**

Start from 1 and add/subtract

1 + 4.5 - 1.5 - 0 = 7

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS																		
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	<table border="1"> <tr> <th>relevant arguments/responses</th> <th>reporter's conduct in the discussion</th> </tr> <tr> <td>too few</td> <td>poor/aggressive</td> </tr> <tr> <td>some</td> <td>partly fine</td> </tr> <tr> <td>many</td> <td>good</td> </tr> <tr> <td>+ data/theory supported</td> <td>some aspects efficient</td> </tr> <tr> <td>proved deep understanding</td> <td>overall efficient</td> </tr> </table>	relevant arguments/responses	reporter's conduct in the discussion	too few	poor/aggressive	some	partly fine	many	good	+ data/theory supported	some aspects efficient	proved deep understanding	overall efficient	<table border="1"> <tr> <td>0</td> <td>concise and correct or no questions asked</td> </tr> <tr> <td>1</td> <td>some incorrect, inconclusive or too long</td> </tr> <tr> <td>2</td> <td>deeply incorrect or shows deep misconceptions</td> </tr> </table>	0	concise and correct or no questions asked	1	some incorrect, inconclusive or too long	2	deeply incorrect or shows deep misconceptions
relevant arguments/responses	reporter's conduct in the discussion																										
too few	poor/aggressive																										
some	partly fine																										
many	good																										
+ data/theory supported	some aspects efficient																										
proved deep understanding	overall efficient																										
0	concise and correct or no questions asked																										
1	some incorrect, inconclusive or too long																										
2	deeply incorrect or shows deep misconceptions																										
1	some	some	some	some	review of sources, cited	partly	partly clear																				
2	fair	fair	fair	qualitative agreement	some own input	average	average																				
3	good	good	good	quantitative agreement	some interesting results	some aspects above average	some aspects well done																				
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative																				
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated																				

NOTES:

period → not a point mass  
 mag. field sensor - response time vs frequency, damping -  $(\dot{x})^2$  vs  $(\dot{x})^1$ , induced emf  
 med. spring. const.  $\propto l^{-3}$  fit vs. other powers, mag of springs

**OPPONENT**

Start from 1 and add/subtract

1 + 0.5 + 1 + 1.5 - 0 = 4

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS											
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	<table border="1"> <tr> <td>0</td> <td>concise and correct or no questions asked</td> </tr> <tr> <td>1</td> <td>some incorrect, inconclusive or too long</td> </tr> <tr> <td>2</td> <td>deeply incorrect or shows deep misconceptions</td> </tr> </table>	0	concise and correct or no questions asked	1	some incorrect, inconclusive or too long	2	deeply incorrect or shows deep misconceptions
0	concise and correct or no questions asked													
1	some incorrect, inconclusive or too long													
2	deeply incorrect or shows deep misconceptions													
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive							
2	some/main points	too few/many	some	reasonable	too few/many	some	some aspects fine							
3	main points	partially relevant	some correct	fair	partially relevant	some correct	good							
4	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient							
5	practically all points	+ well prioritised	+ improvement suggestions	+ all-time used	+ well prioritised	+ improvement suggestions	overall efficient							

NOTES:

stronger/weaker → not relevant / error +, flipping a magnet → no  
 eff. mass

**REVIEWER**

Start from 1 and add/subtract

1 + 1.5 + 1.5 + 1.5 + 0.5 - 0 - 0 = 6

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS						
0	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	<table border="1"> <tr> <td>0</td> <td>concise and correct or no questions asked</td> </tr> <tr> <td>1</td> <td>some incorrect, inconclusive or too long</td> </tr> <tr> <td>2</td> <td>deeply incorrect or shows deep misconceptions</td> </tr> </table>	0	concise and correct or no questions asked	1	some incorrect, inconclusive or too long	2	deeply incorrect or shows deep misconceptions
0	concise and correct or no questions asked										
1	some incorrect, inconclusive or too long										
2	deeply incorrect or shows deep misconceptions										
1	poor/wrong	irrelevant	poor	irrelevant							
2	superficial	partially relevant/correct	superficial	some							
3	good	mostly correct/prioritised	good	many							
4	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate							

NOTES:

air drag negl. → what slows it down

Katarina Revická  
Martin Marcinčák

2. Fyzikoj, 2. kolo

**REPORTER**

Start from 1 and add/subtract

$$1 + 4.5 - 2.5 - 1 = 7$$

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS		
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	0	concise and correct or no questions asked
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive	0	some incorrect, inconclusive or too long
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine	1	some incorrect, inconclusive or too long
3	good	good	good	quantitative agreement	some interesting results	some aspects above average	some aspects well done	many	good	1	some incorrect, inconclusive or too long
4	detailed demonstrative	quite detailed, correct	OR multiplicity of parameters examined	+ limits discussed	OR considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient	2	deeply incorrect or shows deep misconceptions
5	deep and comprehensive, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	3	deeply incorrect or shows deep misconceptions

NOTES:

$$g = 2 \frac{\omega}{c^3} \Rightarrow \text{empirické!}$$

**OPPONENT**

Start from 1 and add/subtract

$$1 + 1 - 3 + 2 - 0 = 7$$

Samuel Šandor

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS						
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	0	concise and correct or no questions asked
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	0	concise and correct or no questions asked
2	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	1	some incorrect, inconclusive or too long
3	main points	partially relevant	some correct	fair	partially relevant	some correct	good	1	some incorrect, inconclusive or too long
4	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	2	deeply incorrect or shows deep misconceptions
5	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	2	deeply incorrect or shows deep misconceptions

NOTES:

vedieť prečo

→ rôzne silne magnety

**REVIEWER**

Start from 1 and add/subtract

$$1 + 1.5 - 2.5 + 1 + 1 + 0 - 0 = 7$$

Mary Žigo

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS				
0	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	irrelevant	0	concise and correct or no questions asked
1	poor/wrong	irrelevant	poor/wrong	irrelevant	poor	irrelevant	none	0	some incorrect, inconclusive or too long
2	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	relevant parts	1	some incorrect, inconclusive or too long
3	good	mostly correct/prioritised	good	mostly correct/prioritised	relevant parts	many	accurate, convincing	1	deeply incorrect or shows deep misconceptions
4	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate	relevant, constructive	2	deeply incorrect or shows deep misconceptions

NOTES:

**REPORTER**

Start from 1 and add/subtract

1 + 2 + 1 - 0 = 4

Lukas Jacko

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5			and errors analysis		and considerable theoretical			proved deep understanding	overall efficient
6	deep and comprehensible, shows physical insight	detailed, complex, completely testable		well fitting, deviations analysed, conclusive		greater extent than expected	+ complex concepts well communicated		
7									

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 2 + 3 + 1 - 0 = 7

Katarina Gersova

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS						
0	too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	concise and correct or no questions asked
1	relevant, aimed at resolving unclear points in the report	0	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive
2	+ short, apt and clear, well prioritised, all time usec	1	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine
		2	main points	partially relevant	some correct	fair	partially relevant	some correct	good
		3	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient
		4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient
									deeply incorrect or shows deep misconceptions

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 2 + 2 + 1 + 1 - 0 - 0 = 7

Peter Ondrik

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS					
0	evaluation & understanding	pros & cons prioritisation	speech evaluation	discussion evaluation	correct own opinions	too few, mostly irrelevant	poor/wrong	irrelevant	irrelevant	concise and correct or no questions asked
1	superficial	partially relevant/correct	superficial	superficial	some	+ suitably allotted to Rep & Opp, most time usec	good	partially relevant/correct	relevant parts	some incorrect, inconclusive or too long
2	apt, accurate	fully adequate, well prioritised	good	accurate, convincing	fully adequate	+ short, apt and clear, well prioritised, time managed efficient	apt, accurate	mostly correct/prioritised	relevant, constructive	deeply incorrect or shows deep misconceptions

NOTES:



Katarina Revnicka' / 2. Fyzboji, 3. Kolo

**REPORTER**

Start from 1 and add/subtract

1 + 2 + 1 - 0 = 4

Lukas' Jachol

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
	deep and comprehensive, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 15 + 35 + 2 - 0 = 8

Katarina Gersova'

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS
	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	
0	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	0
1	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	1
2	main points	partially relevant	some correct	fair	partially relevant	some correct	good	2
3	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	3
4	practically all points	+ well prioritised	improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	4

NOTES:

sweet spot neck of the bottle

**REVIEWER**

Start from 1 and add/subtract

1 + 1.5 + 2.5 + 1.5 + 0.5 + 0 - 0 = 7

Peter Ondrlik

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions		
0	poor/wrong	irrelevant	poor/wrong	irrelevant	poor	irrelevant	irrelevant	0
1	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	none	1
2	good	mostly correct/prioritised	good	mostly correct/prioritised	relevant parts	many	relevant, constructive	2
3	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate		3

NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range.

**REPORTER**

Start from 1 and add/subtract

Martin Marcinčák

$$1 + 5 + 2 - 1 = 7$$

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or ↑ ↓ and	multitude of parameters examined	+ limits discussed	or ↑ ↓ and	considerable experimental	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and	errors analysis	well fitting, deviations analysed, conclusive	and	considerable theoretical	proved deep understanding	overall efficient
6									
7									

NOTES:

**OPPONENT**

Start from 1 and add/subtract

Samuel Šandoh

$$1 + 1 + 2 + 3 - 0 = 7$$

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS			
0	too few, mostly irrelevant	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	0	concise and correct or no questions asked
1	relevant, aimed at resolving unclear points in the report	almost none	too few	poor/aggressive	1	some incorrect, inconclusive or too long
2	+ short, apt and clear, well prioritised, all time used	some main points	some	some aspects fine	2	deeply incorrect or shows deep misconceptions
		main points	some correct	good		
		all relevant points	many correct	some aspects efficient		
		practically all points	+ improvement suggestions	overall efficient		

NOTES:

**REVIEWER**

Start from 1 and add/subtract

Matej Žigo

$$1 + 1 + 2 + 1 + 1 + 0 - 0 = 6$$

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS	
0	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	0	concise and correct or no questions asked
1	poor/wrong	poor/wrong	poor	irrelevant	1	some incorrect, inconclusive or too long
2	superficial	superficial	superficial	some	2	deeply incorrect or shows deep misconceptions
3	good	good	good	many		
	apt, accurate	apt & accurate	apt & accurate	fully adequate		
	pros & cons prioritisation	pros & cons prioritisation	correct own opinions	irrelevant		
	irrelevant	irrelevant	irrelevant	none		
	partially relevant/correct	partially relevant/correct	relevant parts	relevant, constructive		
	mostly correct/prioritised	mostly correct/prioritised	accurate, convincing	adequate		
	fully adequate, well prioritised	fully adequate, well prioritised	fully adequate			

NOTES:

**REPORTER**

Start from 1 and add/subtract

$$1 + 1.5 + 1 - \square = 3$$

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS		
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	0	concise and correct or no questions asked
1	some fair	some fair	some fair	some qualitative agreement	review of sources, cited some own input	partly average	partly clear average	too few	poor/aggressive	0	some incorrect, inconclusive or too long
2	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	some many	partly fine	1	deeply incorrect or shows deep misconceptions
3	detailed, complex, completely testable	quite detailed, correct	OR multitude of parameters examined and errors analysis	+ limits discussed	OR considerable experimental and considerable theoretical	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient	2	
4	deep and comprehensive, shows physical insight	detailed, complex, completely testable	and	well fitting, deviations analysed, conclusive	and	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	3	

NOTES:

**OPPONENT**

Start from 1 and add/subtract

$$1 + 1.8 + 3.2 + 2.5 - 0.5 = 8$$

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS						
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	0	concise and correct or no questions asked
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	0	some incorrect, inconclusive or too long
2	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	1	deeply incorrect or shows deep misconceptions
3	main points	partially relevant	some correct	fair	partially relevant	some correct	good	2	
4	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	3	
5	practically all points	+ well prioritised	+ improvement suggestions	all time used	+ well prioritised	+ improvement suggestions	overall efficient	4	

NOTES:

**REVIEWER**

Start from 1 and add/subtract

$$1 + 1 - 2 + 2 + 1 + \square - \square = 7$$

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS	
0	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	0	concise and correct or no questions asked
1	poor/wrong	poor/wrong	poor	irrelevant	0	some incorrect, inconclusive or too long
2	superficial	superficial	superficial	some	1	deeply incorrect or shows deep misconceptions
3	good	good	relevant parts	many	2	
4	apt, accurate	apt & accurate	accurate, convincing	fully adequate	3	
5	pros & cons prioritisation	pros & cons prioritisation	correct own opinions	irrelevant	4	
6	irrelevant	irrelevant	irrelevant	none	5	
7	partially relevant/correct	partially relevant/correct	many	relevant, constructive	6	
8	mostly correct/prioritised	mostly correct/prioritised	fully adequate, well prioritised		7	
9	fully adequate, well prioritised	fully adequate, well prioritised			8	

NOTES:

correct

**REPORTER**

Start from 1 and add/subtract

1 + 2.0 + 1.0 -    = 4

~~X~~ ~~X~~ 12  
GYMPOS

LUKAS CACKO

F2/3 HK

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS		
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	0	concise and correct or no questions asked
1	some	<del>X</del> some	<del>X</del> some	<del>X</del> some	review of sources, cited	partly	partly clear	too few	poor/aggressive	1	some incorrect, inconclusive or too long
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine	2	deeply incorrect or shows deep misconceptions
3	<del>X</del> good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good	3	
4	deta lec demonstrative	quite detailed, correct	or multitude of parametres exam ned	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient		
5	deep and comprehensible, shows phys cal insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient		

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1.5 + 3.0 + 2.0 -    = 8

Da Mix

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS						
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	0	concise and correct or no questions asked
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	1	some incorrect, inconclusive or too long
2	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	2	deeply incorrect or shows deep misconceptions
3	main points	partially relevant	some correct	fair	partially relevant	some correct	good	3	
4	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient		
5	practically all points	+ well prioritised	+ improvement suggestions	all time used	+ well prioritised	+ improvement suggestions	overall efficient		

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 0.5 + 4.0 + 1.5 + 1.0 ± 1.0 -    = 7

Chris Pordel

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS	
0	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	0	concise and correct or no questions asked
1	poor/wrong	irrelevant	poor	irrelevant	1	irrelevant
2	superficial	partially relevant/correct	superficial	some	2	relevant, constructive
3	good	mostly correct/prioritised	good	many		
4	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate		

NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range.

2/1

PLUESCH

**REPORTER**

Start from 1 and add/subtract

$$1 + 3 + 1 - \square = 6$$

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or ↑ ↓ and ↑ ↓ and ↑ ↓ and	+ limits discussed	or ↑ ↓ and ↑ ↓ and	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensive, shows physical insight	detailed, complex, completely testable	multitude of parameters examined	well fitting, deviations analysed, conclusive	considerable experimental	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient
6			errors analysis		considerable theoretical				
7									

NOTES:

**OPPONENT**

Start from 1 and add/subtract

$$1 + 1.5 + 2 + 2 - \square = 6$$

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
0	almost nothing	almost none	too few
1	some main points	too few/many	some
2	main points	partially relevant	some correct
3	all relevant points	mostly relevant	many correct
4	practically all points	+ well prioritised	+ improvement suggestions
			time management
			poor
			reasonable
			fair
			efficient
			+
			all time used
			discussant's conduct in the discussion
			too few
			some
			some correct
			many correct
			overall efficient
			poor/aggressive
			some aspects fine
			good
			some aspects efficient
			deeply incorrect or shows deep misconceptions

NOTES:

**REVIEWER**

Start from 1 and add/subtract

$$1 + 0.5 - 0.5 + 0.5 + 0 = 4$$

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	irrelevant	concise and correct or no questions asked
0	poor/wrong	poor/wrong	poor	none	some incorrect, inconclusive or too long
1	superficial	superficial	superficial	relevant parts	deeply incorrect or shows deep misconceptions
2	good	good	accurate, convincing	relevant, constructive	
	apt, accurate	apt & accurate	correct own opinions		
	pros & cons prioritisation	pros & cons prioritisation	correct own opinions		
	irrelevant	irrelevant	irrelevant		
	partially relevant/correct	partially relevant/correct	some		
	mostly correct/prioritised	mostly correct/prioritised	many		
	fully adequate, well prioritised	fully adequate, well prioritised	fully adequate		

NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range.



15

F2/1 MK

**REPORTER**

Start from 1 and add/subtract

1 + ~~0~~ + ~~15~~ -  =

7 Dataix

MARWAN KAVACI

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS		
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	0	concise and correct or no questions asked
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive	0	some incorrect, inconclusive or too long
2	<del>X</del> fair	<del>X</del> fair	<del>X</del> fair	qualitative agreement	some own input	average	average	some	partly fine	1	deeply incorrect or shows deep misconceptions
3	good	good	good	quantitative agreement	+ some interesting results	<del>X</del> some aspects above average	some aspects well done	many	good	1	
4	detailed demonstrative	quite detailed, correct	or ↑ multitude of parameters examined ↓ and errors analysis	+ limits discussed	or ↑ considerable experimental ↓ considerable theoretical	interesting solution	overall clear, demonstrative	<del>X</del> + data/theory supported	some aspects efficient	2	
5	deep and comprehensive, shows physical insight	detailed, complex, completely testable		well fitting, deviations analysed, conclusive	and	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	3	

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 10 + 25 + 30 -  =

7 Cross Prod

MARWAN MARWANODK

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS						
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	0	concise and correct or no questions asked
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	0	some incorrect, inconclusive or too long
2	some main points	too few/many	some	reasonable	too few/many	<del>X</del> some	some aspects fine	1	deeply incorrect or shows deep misconceptions
3	main points	partially relevant	some correct	fair	<del>X</del> partially relevant	<del>X</del> some correct	good	1	
4	all relevant points	mostly relevant	many correct	<del>X</del> efficient	mostly relevant	many correct	some aspects efficient	2	
5	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	3	

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + ~~0~~ + 10 + ~~0~~ + ~~0~~ ±  -  = 4

GTIPROS

FICHP

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS					
0	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	0	irrelevant	0	concise and correct or no questions asked
1	poor/wrong	irrelevant	poor/wrong	irrelevant	<del>X</del> poor	irrelevant	0	none	0	some incorrect, inconclusive or too long
2	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	1	relevant, constructive	1	deeply incorrect or shows deep misconceptions
3	good	mostly correct/prioritised	good	mostly correct/prioritised	relevant parts	many	2		2	
4	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate				

NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range.

Marián Koval

**REPORTER**

Start from 1 and add/subtract

1 + 3 + 2 - 0 = 6

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS		
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion	0	concise and correct or no questions asked
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive	0	some incorrect, inconclusive or too long
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine	1	deeply incorrect or shows deep misconceptions
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good	1	
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient	2	
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient	3	

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 2 + 2 - 0 = 7

Martin Marciničák

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS						
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	0	concise and correct or no questions asked
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	0	some incorrect, inconclusive or too long
1	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	1	deeply incorrect or shows deep misconceptions
2	main points	partially relevant	some correct	fair	partially relevant	some correct	good	1	
3	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	2	
4	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	2	

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 0 + 2 + 1 + 0 - 0 - 0 = 4

Filip Šluk

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS				
0	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	irrelevant	0	concise and correct or no questions asked
1	poor/wrong	irrelevant	poor/wrong	irrelevant	poor	irrelevant	irrelevant	0	some incorrect, inconclusive or too long
2	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some	relevant parts	1	deeply incorrect or shows deep misconceptions
3	good	mostly correct/prioritised	good	mostly correct/prioritised	accurate, convincing	many	relevant, constructive	2	
4	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised		fully adequate		3	

NOTES:

Katarina Kevcica  
 Marian Koval  
 2. Fyzikaj, 1. kola

**REPORTER**

Start from 1 and add/subtract

1 + 3 + 2 - 0 = 6

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	some interesting results	above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multiplicity of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
	deep and comprehensible, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES: *simulacie -> Martin Marcinak*

*depends on fullness & friction*

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 25 + 25 - 0 = 52

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
1	almost nothing	almost none	too few
2	some main points	too few/many	some
3	main points	partially relevant	some correct
4	all relevant points	mostly relevant	many correct
	practically all points	+ well prioritised	+ improvement suggestions

NOTES:

*game engine -> error*

**REVIEWER**

Start from 1 and add/subtract

1 + 1 + 15 + 05 + 0 ± 0 - 0 = 22

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	correct own opinions	irrelevant
1	poor/wrong	poor/wrong	poor	irrelevant	none
2	superficial	superficial	superficial	some	relevant, constructive
3	good	good	relevant parts	many	
4	apt, accurate	apt & accurate	accurate, convincing	fully adequate	

NOTES: *friction force with wall  
 friction force - coeff. of friction*

Please, suitably adjust your grades taking into regard the [1,10] range.

Topic 2.1

**REPORTER**

Start from 1 and add/subtract

1 + 4.5 + 1.5 - 0 = 7

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	far	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	OR multitude of parameters examined	+ limits discussed	OR considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows phys cal insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES:

error? def. of displacement, sim. (indep on rise) not shown comp between small & sim. exp. large & sim. exp.

**OPPONENT**

Start from 1 and add/subtract

1 + 1.5 + 2.5 + 2.5 - 0 = 7

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS					
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	concise and correct or no questions asked
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	some incorrect, inconclusive or too long
2	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	deeply incorrect or shows deep misconceptions
3	main points	partially relevant	some correct	fair	partially relevant	some correct	good	
4	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	
5	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient	

NOTES:

black-box quant. theory v, error v, simulation. rolling -> sliding input -> how was it measured

**REVIEWER**

Start from 1 and add/subtract

1 + 0.75 + 2 + 1 + 0 + 0.25 - 0 = 4

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	pros & cons prioritisation	discussion evaluation	correct own opinions	irrelevant
1	poor/wrong	irrelevant	poor	irrelevant	none
2	superficial	partially relevant/correct	superficial	some	relevant, constructive
3	good	mostly correct/prioritised	relevant parts	many	
4	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate	

NOTES:

transition phase, ball prolling

**Streda doobeda**

	1	2
R	1. SG	Cross Product
O	GJARSob	GJH
r	Ba Mix	Poštová

**Streda poobede**

	1	2
R	Ba Mix	GJARSob
O	Cross Product	1. SG
r	Poštová	GJH

**Štvrtok doobeda**

	1	2
R	GJH	Poštová
O	Cross Product	1. SG
r	GJARSob	Ba Mix

**Štvrtok poobede**

	1	2
R	Ba Mix	Poštová
O	GJARSob	GJH
r	Cross Product	1. SG



Tomáš Lučivajuský

Gabriel BEVO

1. Fyzboj

1o Kolo

1. SG

**REPORTER**

Start from 1 and add/subtract

$$1 + 2 + 1 - 0 = 4$$

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS														
	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	<table border="1"> <tr> <th>relevant arguments/responses</th> <th>reporter's conduct in the discussion</th> </tr> <tr> <td>too few</td> <td>poor/aggressive</td> </tr> <tr> <td>some</td> <td>partly fine</td> </tr> <tr> <td>many</td> <td>good</td> </tr> </table>	relevant arguments/responses	reporter's conduct in the discussion	too few	poor/aggressive	some	partly fine	many	good	<table border="1"> <tr> <td>0</td> <td>concise and correct or no questions asked</td> </tr> <tr> <td>1</td> <td>some incorrect, inconclusive or too long</td> </tr> <tr> <td>2</td> <td>deeply incorrect or shows deep misconceptions</td> </tr> </table>	0	concise and correct or no questions asked	1	some incorrect, inconclusive or too long	2	deeply incorrect or shows deep misconceptions
relevant arguments/responses	reporter's conduct in the discussion																						
too few	poor/aggressive																						
some	partly fine																						
many	good																						
0	concise and correct or no questions asked																						
1	some incorrect, inconclusive or too long																						
2	deeply incorrect or shows deep misconceptions																						
	some	some	some	some	review of sources, cited	partly	partly clear																
	fair	fair	fair	qualitative agreement	some own input	average	average																
	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done																
	detailed demonstrative	quite detailed, correct	or ↑ multitude of parameters examined ↓ and errors analysis	+ limits discussed	or ↑ considerable experimental ↓ and considerable theoretical	interesting solution	overall clear, demonstrative																
	deep and comprehensible, shows physical insight	detailed, complex, completely testable		well fitting, deviations analysed, conclusive		greater extent than expected	+ complex concepts well communicated																

NOTES:

**OPPONENT**

Start from 1 and add/subtract

$$1 + 1 + 2 + 2 - 0 = 6$$

Karol Marinica

QUESTIONS ASKED	OPPOSITION (SPEECH)				DISCUSSION WITH REPORTER			ANSWERS TO JURY and REVIEWER'S QUESTIONS						
too few, mostly irrelevant	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	<table border="1"> <tr> <td>0</td> <td>concise and correct or no questions asked</td> </tr> <tr> <td>1</td> <td>some incorrect, inconclusive or too long</td> </tr> <tr> <td>2</td> <td>deeply incorrect or shows deep misconceptions</td> </tr> </table>	0	concise and correct or no questions asked	1	some incorrect, inconclusive or too long	2	deeply incorrect or shows deep misconceptions
0	concise and correct or no questions asked													
1	some incorrect, inconclusive or too long													
2	deeply incorrect or shows deep misconceptions													
relevant, aimed at resolving unclear points in the report	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive							
+ short, apt and clear, well prioritised, all time used	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine							
	main points	partially relevant	some correct	fair	partially relevant	some correct	good							
	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient							
	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient							

NOTES:

**REVIEWER**

Start from 1 and add/subtract

$$1 + 1 + 2 + 1 + 1 - 0 - 1 = 5$$

Matej Žigo

QUESTIONS ASKED	REVIEW OF REPORT		REVIEW OF OPPOSITION		DISCUSSION ANALYSIS		MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS												
too few, mostly irrelevant	evaluation & understanding	pros & cons prioritisation	speech evaluation	pros & cons prioritisation	discussion evaluation	correct own opinions	<table border="1"> <tr> <td>1</td> <td>irrelevant</td> </tr> <tr> <td>0</td> <td>none</td> </tr> <tr> <td>1</td> <td>relevant, constructive</td> </tr> </table>	1	irrelevant	0	none	1	relevant, constructive	<table border="1"> <tr> <td>0</td> <td>concise and correct or no questions asked</td> </tr> <tr> <td>1</td> <td>some incorrect, inconclusive or too long</td> </tr> <tr> <td>2</td> <td>deeply incorrect or shows deep misconceptions</td> </tr> </table>	0	concise and correct or no questions asked	1	some incorrect, inconclusive or too long	2	deeply incorrect or shows deep misconceptions
1	irrelevant																			
0	none																			
1	relevant, constructive																			
0	concise and correct or no questions asked																			
1	some incorrect, inconclusive or too long																			
2	deeply incorrect or shows deep misconceptions																			
relevant, meant to clarify unclear points	poor/wrong	irrelevant	poor/wrong	irrelevant	poor	irrelevant														
+ suitably allotted to Rep & Opp, most time used	superficial	partially relevant/correct	superficial	partially relevant/correct	superficial	some														
+ short, apt and clear, well prioritised, time managed efficiently	good	mostly correct/prioritised	good	mostly correct/prioritised	relevant parts	many														
	apt, accurate	fully adequate, well prioritised	apt & accurate	fully adequate, well prioritised	accurate, convincing	fully adequate														

NOTES:

angle → calculated by law 2  
 errors in measuring angle → minimally(?) not significant!

186

**REPORTER**

Start from 1 and add/subtract

Gabriel Beňo

1 + 2 + 1 - 0 = 4

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	↑ or ↓ multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensible, shows physical insight	detailed, complex, completely testable	↑ and ↓ errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient
6									
7									

NOTES: demonstration ✓ showed why the color is green (533nm)  
 diffraction → from paper

- indirectly - we did not measure, got it from

**OPPONENT**

Start from 1 and add/subtract

Karel Marinica

1 + 1 + 2 + 2 - 0 = 6

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	understanding of presentation	topics raised and their prioritisation	own opinions presented
1	almost nothing	almost none	too few
2	some main points	too few/many	some
3	main points	partially relevant	some correct
4	all relevant points	mostly relevant	many correct
5	practically all points	+ well prioritised	+ improvement suggestions
6			
7			

NOTES: Blue Ray  
 The most important parameter

lambda measured ✓  
 lots of measurements?

- measurement of angles  
 - CD structure ✓  
 - different structures ✓

- not described parameters  
 → missed missing error analysis!

**REVIEWER**

Start from 1 and add/subtract

Matej Zigo

1 + 1.5 + 2 + 1 + 0.5 - 1 = 5

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS
0	evaluation & understanding	speech evaluation	discussion evaluation	irrelevant	concise and correct or no questions asked
1	poor/wrong	poor/wrong	poor	none	some incorrect, inconclusive or too long
2	superficial	superficial	superficial	relevant, constructive	deeply incorrect or shows deep misconceptions
3	good	good	relevant parts		
4	apt, accurate	apt & accurate	accurate, convincing		
5					
6					
7					

NOTES: range of angles incline by hand - why did you measure like this?

inclined by hand?

Barack pro libe 4 1-1



1 fyezbg 1 kolo

**REPORTER**

Start from 1 and add/subtract

1 + 4 + 1 - 0.5 = 5

REPORT	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OPPONENT	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
0	almost no	almost no	almost no	almost no	almost no	misunderstood	unclear, chaotic	relevant arguments/responses	reporter's conduct in the discussion
1	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor/aggressive
2	fair	fair	fair	qualitative agreement	some own input	average	average	some	partly fine
3	good	good	good	quantitative agreement	+ some interesting results	some aspects above average	some aspects well done	many	good
4	detailed demonstrative	quite detailed, correct	or multitude of parameters examined	+ limits discussed	or considerable experimental	interesting solution	overall clear, demonstrative	+ data/theory supported	some aspects efficient
5	deep and comprehensive, shows physical insight	detailed, complex, completely testable	and errors analysis	well fitting, deviations analysed, conclusive	and considerable theoretical	greater extent than expected	+ complex concepts well communicated	proved deep understanding	overall efficient

NOTES: Structure

**OPPONENT**

Start from 1 and add/subtract

1 + 0.5 + 2 + 2 - 1 = 5

QUESTIONS ASKED	OPPOSITION (SPEECH)	DISCUSSION WITH REPORTER	ANSWERS TO JURY and REVIEWER'S QUESTIONS						
0	understanding of presentation	topics raised and their prioritisation	own opinions presented	time management	topics raised and their prioritisation	own opinions presented	opponent's conduct in the discussion	0	concise and correct or no questions asked
1	almost nothing	almost none	too few	poor	almost none	too few	poor/aggressive	1	some incorrect, inconclusive or too long
2	some main points	too few/many	some	reasonable	too few/many	some	some aspects fine	2	deeply incorrect or shows deep misconceptions
3	main points	partially relevant	some correct	fair	partially relevant	some correct	good	3	
4	all relevant points	mostly relevant	many correct	efficient	mostly relevant	many correct	some aspects efficient	4	
5	practically all points	+ well prioritised	+ improvement suggestions	+ all time used	+ well prioritised	+ improvement suggestions	overall efficient		

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 0.5 + 2 + 1 + 1.5 + 0.5 - 1 = 4

QUESTIONS ASKED	REVIEW OF REPORT	REVIEW OF OPPOSITION	DISCUSSION ANALYSIS	MISSED POINTS POINTED OUT	ANSWERS TO JURY QUESTIONS				
0	evaluation & understanding	pros & cons prioritisation	speech evaluation	discussion evaluation	correct own opinions	0	irrelevant	0	concise and correct or no questions asked
1	poor/wrong	irrelevant	poor/wrong	poor	irrelevant	1	irrelevant	1	some incorrect, inconclusive or too long
2	superficial	partially relevant/correct	superficial	superficial	some	2	relevant parts	2	deeply incorrect or shows deep misconceptions
3	good	mostly correct/prioritised	good	good	many	3	accurate, convincing	3	
4	apt, accurate	fully adequate, well prioritised	apt & accurate	apt & accurate	fully adequate	4		4	

NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range.