

Schedule

Date	Lecturer	Lecturer	Lecturer	Lecturer
21 February 2024				
28 February 2024	Knopp	Gregor	Košárková	
06 March 2024				
13 March 2024	Kubíček	Dopita	Trnka	
20 March 2024	Vais	Krupa	Rendek	Vargicová
27 March 2024	Paidar	Zámyslický	Antoš	Kovačovský
03 April 2024	Benda	Kaska	Rašek	
10 April 2024	Dostál	Pokorná	Poledne	
17 April 2024	Sultanbekov	Šimkovič	Fröde	Herec
24 April 2024				
01 May 2024				
08 May 2024				
15 May 2024	Dvořák	Kotulová	Piláriková	Mareš
22 May 2024	Hudzran	Půček	Letko	

Vít Průša

Zdeňka Crkalová

May Day

Liberation Day

Deadline for the selection of MSc. thesis topic is 16th February 2024. (The deadline is not actively enforced by the Study Department, but you should start to work on your thesis in the summer semester.)

It would be nice if your supervisor could attend the seminar you are presenting at. Please let him/her know.

Deadline for MSc. thesis submission (summer term) is 20th May 2024, deadline for Bc. thesis submission is 2nd June 2024.

Expected length of your presentation is 15 minutes (Bc., 1st year MSc.) and 20 minutes (2nd+ year Msc.).

People

Name	Year	Thesis title	Supervisor
Ondřej Knopp	3. roč	Error propagation from the laboratory measurements of electrical conductivity to the Earth's el	doc. RNDr. Jakub Velínský, Ph.D.
Michal Gregor	2. roč	Tidal heating and heat transfer in the ice shell of Jupiter's moon Europa	prof. RNDr. Ondřej Čadek, CSc.
Lenka Košárková	2. roč	Modelling of flow in the aortic root	RNDr. Jaroslav Hron, Ph.D.
Václav Kubíček	2. roč	Numerical description and interpretation of dynamics of negative ion created in collision of elec	doc. RNDr. Martin Čížek, Ph.D.
Jan Dopita	2. roč	Slip boundary conditions and homogenisation	doc. Sebastian Schwarzacher, Dr.
Jiří Půček	2. roč		
Ladislav Trnka	2. roč	Bifurcation analysis of viscoelastic flows using deflation method	Mgr. Vít Průša, Ph.D.
Jaroslav Paidar	1. roč		
Dominik Zámyslický	1. roč		
Jakub Antoš	1. roč		
Tomáš Hurdzan	1. roč		
Ján Kovačovský	1. roč		
Andrej Rendek	1. roč	Effect of regularization on classification of magnetic topological phases	RNDr. Pavel Baláž, Ph.D.
Tatiana Vargicová	1. roč		
Matěj Vais	1. roč	Computation of flows of incompressible power-law fluids for low values of power-law index	Patrick Farrell
Tobíáš Krupa	1. roč	Modelling and mathematical analysis of equations describing the heat transfer by radiation	doc. RNDr. Miroslav Bulíček, Ph.D.
Jan Benda	4. roč (Bc.)	Machine learning for recognition of simple physical systems	doc. RNDr. Michal Pavelka, Ph.D.
David Dostál	3. roč (Bc.)	Schwarz methods	RNDr. Jan Papež, Ph.D.
Adam Dvořák	3. roč (Bc.)		
František Fröde	3. roč (Bc.)	Calculations of properties of gold(I) complexes related to anticancer treatment by quantum mec	prof. RNDr. Ing. Jaroslav Burda, DrSc.
Haopeng Han	3. roč (Bc.)		
Jakub Herec	3. roč (Bc.)	Sandstone arches evolution model	Mgr. Martin Lanzendörfer, Ph.D.
Přemysl Kaska	3. roč (Bc.)	Solving variational problems by machine learning	doc. RNDr. Michal Pavelka, Ph.D.
Michaela Kotulová	3. roč (Bc.)	Convergence properties of algebraic reconstruction methods	doc. RNDr. Iveta Hnětynková, Ph.D.
Matúš Letko	3. roč (Bc.)	On counterexamples of solvability to the problem $\operatorname{div} u = f$	prof. Mgr. Milan Pokorný, Ph.D., DSc.
Jan Mareš	3. roč (Bc.)	Thermal convection in an ice layer with a viscosity depending on the deformation history	prof. RNDr. Ondřej Čadek, CSc.
	3. roč (Bc.)	Basic properties of multigrid methods	
Anna Marie Minarovičová			RNDr. Jan Papež, Ph.D.
Barbora Piláriková	3. roč (Bc.)	Modeling of fault initiation in the ice shell of Enceladus	doc. RNDr. Ondřej Souček, Ph.D.
Janika Pokorná	3. roč (Bc.)	Conjugate gradient method for solving singular systems	RNDr. Jan Papež, Ph.D.
David Poledne	3. roč (Bc.)	Quadrature rules for finite element basis functions	RNDr. Jan Papež, Ph.D.
Petr Rašek	3. roč (Bc.)	Resonances for model potentials in quantum mechanics	doc. RNDr. Karel Houfek, Ph.D.
Nail Sultanbekov	3. roč (Bc.)		
Pavol Šimkovič	3. roč (Bc.)		

Výjezd na stáž.