

Pedagogical activities

Mgr. Stanislav Sysala, Ph.D.

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Supervising of students:

- J. Cenek, VŠB-TU Ostrava, 2018-2020, master thesis, defended in 2020
- J. Kmec, Palacký University, Olomouc, 2013-2014, master thesis, defended in 2014

Cooperation on supervising of students:

- M. Čermák, VŠB-TU Ostrava, Ph.D. thesis – cooperation within solution of elastoplastic problems, defended in 2012.

Courses for master students:

- Mathematical Seminar III - VŠB-TU Ostrava; winter semesters in 2017, 2018, 2019, 2020; the course for students of MSc. study programme Computational Mathematics is focused on an introduction to the mathematical theory of elasticity and elasto-plasticity
- S. Sysala: Linear elasticity problem: analysis and solution. Textbook for VSB-Technical University in Ostrava, 2020, 37 pages.

Invited lectures:

- *Computable majorants of the limit load in perfect plasticity*, Nečas Seminar, Charles University, Prague, 19.3.2018.
- *Limit load for variational problems with linear growth and its importance in perfect plasticity*, Seminar on Numerical Analysis, Institute of Geonics, Ostrava, 23.1.2015.
- *Nonsmooth Newton method in optimization problems*, Seminar on Applied Mathematics, FEI VŠB-TU Ostrava, 5.11.2013.
- *Properties and simplifications of constitutive time discretized elastoplastic operators*, Seminar on PDEs, Institute of Mathematics of the Czech Academy of Sciences, Prague, 15.5.2012
- *Preliminary modelling of rock pillar failure processes based on continuum mechanics*, Nečas Seminar, Charles University, Prague, 14.5.2012.