

MATEMATICKÉ SEMINÁŘE

KMD FP TUL

Katedra matematiky a didaktiky matematiky FP TU v Liberci zve zájemce z řad pedagogů, studentů i veřejnosti na odbornou přednášku, která se koná

v pondělí 18. října 2021 od 14:20 hodin ONLINE

<https://meet.google.com/gva-ipaj-jhe>

MODELLING IN MATERIALS SCIENCE THROUGH ANALYST'S EYES

Přednáší: Anastasia MOLCHANOVA (Faculty of Mathematics, University of Vienna)

Abstract: In this talk, we discuss some advances and challenges in the analysis inspired by applications in Materials Science. In the context of hyperelasticity, we consider difficulties caused by the coupling of physical desirable properties of deformations and mathematical convenient function spaces, as well as the variational models of mixed Eulerian-Lagrangian type. Finally, we investigate the equilibria of a hyperelastic charged solid.

