

14.12.2020

**Monday's Nonstandard Seminar 11**

**15:00**

Author: Agnieszka Świerczewska-Gwiazda (University of Warsaw)

Title: **Homogenization of nonlinear elliptic systems in nonreflexive Musielak-Orlicz spaces**

Abstract: We study the homogenization process for families of strongly nonlinear elliptic systems with the homogeneous Dirichlet boundary conditions. The growth and the coercivity of the elliptic operator is assumed to be indicated by a general inhomogeneous anisotropic N-function, which may be possibly also dependent on the spatial variable, i.e., the homogenization process will change the characteristic function spaces at each step.