

1125-35-326

**Marian Bocea\*** ([mbocea@luc.edu](mailto:mbocea@luc.edu)), Loyola University Chicago, Department of Mathematics and Statistics, 1032 W. Sheridan Road, Chicago, IL 60660. *On a family of inhomogeneous torsional creep problems.*

The asymptotic behavior of solutions to a family of inhomogeneous PDEs in divergence form is studied in an Orlicz-Sobolev setting. Solutions are shown to converge uniformly to the distance function to the boundary of the domain. One consequence is that a well-known result in the analysis of problems modeling torsional creep continues to hold under much more general constitutive assumptions on the stress. Joint work with M. Mihailescu. (Received August 26, 2016)