AUS | الجــامـعــة الأمـيـركـيـة في الـشــارقـة
American University of Sharjah

Departmental Seminar

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Inhomogeneous Torsional Creep Problems

Date: March 14, 2017
Venue: C-102 (Chemistry Building) **Time:** 4:00 p.m. - 5:00 p.m.

ABSTRACT

The asymptotic behavior of solutions to a family of Dirichlet boundary value problems involving 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. This implies 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. This presentation is based on some recent results obtained in collaboration with Marian Bocea and Maria Farcaseanu.