

1072-35-105

Marcus A. Khuri* (khuri@math.sunysb.edu). *Boundary Value Problems for Mixed Type Equations and Applications.*

In this talk we outline a general method for finding well-posed boundary value problems for linear equations of mixed elliptic and hyperbolic type, which extends previous techniques of Berezanskii, Didenko, and Friedrichs. This method is then used to study a particular class of fully nonlinear mixed type equations which arise in applications to differential geometry. (Received June 23, 2011)