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Marcus A. Khuri* (khuri@math.sunysb.edu), Department of Mathematics, Stony Brook University, Stony Brook, NY 11794. *Nonlinear Equations of Mixed Type in Differential Geometry.*

In Differential Geometry, mixed type equations most naturally arise in the context of the isometric embedding problem for Riemannian manifolds. Here we will report on recent progress and new techniques for studying the equations involved.

This is joint work with Q. Han. (Received August 28, 2009)