



2007 - 2008
MATHEMATICS DISTINGUISHED
LECTURER SERIES
UNIVERSITY OF CENTRAL FLORIDA



Professor Thomas H. Parker
Department of Mathematics
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will speak on

PDES and Bubble Tree Compactifications

Abstract: Some of the most important equations of physics and geometry are non-linear, elliptic and conformally invariant. The set of finite-energy solutions of such equations is often finite-dimensional, but non-compact. There is, however, a remarkably elementary and geometric way to compactify the set of solutions, resulting in a “Bubble Tree Compactification”. This talk will outline the construction and briefly mention applications to harmonic maps and the definition of Gromov-Witten invariants.

DATE: Thursday, March 6, 2008

TIME: 10:30 – 11:30am

PLACE: MAP 318