

TEMPLE UNIVERSITY
Department of Mathematics

Applied Mathematics and Scientific Computing Seminar

Room 617 Wachman Hall

Wednesday, 14 March 2012, 4:00 p.m.
(tea at 3:45)

Interval Analysis Techniques for Singular Integrals

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Abstract. In this talk I will discuss spectral properties of singular integral operators which arise naturally in the context of elliptic boundary problems in non-smooth domains. The focus is the Spectral Radius Conjecture, for which I will present both positive and negative results, some of which have been obtained via computer aided proofs.