

NUMERICAL ANALYSIS AND SCIENTIFIC COMPUTING
SEMINAR

Numerical techniques for multiscale dynamical systems

Seong Jun Kim
Georgia Institute of Technology

Abstract: The main aim of this talk is to discuss multiscale algorithms for a class of highly oscillatory dynamical systems. There had been many algorithms for computing the macroscale behavior of highly oscillatory dynamical systems with the help of microscale systems. While they achieved remarkable successes, their applications to general highly oscillatory dynamical systems are still limited. This talk will provide some of the background materials, perspectives on the current challenges as well as recent progresses with my collaborators.

Friday, February 5, 2016, 1:00 pm
Mathematics and Science Center: W306

MATHEMATICS AND COMPUTER SCIENCE
EMORY UNIVERSITY