Department of Mathematics

University of Houston

Scientific Computing Seminar

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New models and timestepping methods for approximate deconvolution large eddy simulation modeling

Thursday, Nov. 15, 2012 3:00 PM- 4:00 PM Room 646 PGH

Abstract: We first introduce a recently developed method for approximate deconvolution called Multiscale deconvolution, and review recent results concerning it. We then discuss timestepping methods for approximate deconvolution models, and show how to create unconditionally stable temporal discretizations that decouple the system from the filtering and deconvolution.

This seminar is easily accessible to persons with disabilities. For more information or for assistance, please contact the Mathematics Department at 743-3500.