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*Computational and  
Applied Mathematics  
Seminar*

Speaker: Dr. Iakov Afanassiev

Affiliation: Physics and Physical Oceanography

Date: Wednesday, January 25, 2012

Time: 10:00 a.m.

Room: HH-3017

Title: *Laboratory Experiments in the Rotating Fluid Using  
Altimetric Image Velocimetry*

Abstract:

New method of measuring velocity, vorticity and surface elevation of the flows on the rotating table will be presented. The method provides high resolution fields comparable to those typically obtained in numerical simulations. A few examples of flows of interest to atmospheric/oceanic large scale dynamics will be demonstrated. Further possibilities of using this setup for verification of numerical simulations or for numerical runs with data assimilation will be discussed.