

Multidisciplinary Simulation, Estimation, and Assimilation Systems Seminar Series

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Internal tides: Global and local effects

Abstract: Internal tidal gravity waves are generated throughout the oceans. Some or all of the energy of these waves is available for mixing the ocean. The global geographic distribution of the wave energy and its dissipation (mixing) are topics of ongoing research. Some examples of internal tide-linked physical effects in a few distinct ocean areas will be presented. In addition to purely oceanographic effects of internal tides, effects of internal-tide phenomena on practical use of sound in the ocean will be presented.

Friday, March 25, 2011

12:00PM; Rm. 5-314

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