

M A T H E M A T I C A L P H Y S I C S S E M I N A R

Rutgers University
Hill Center - Room 705

Yakov Sinai, Princeton University
Thursday, December 6, 2012 - 12:00 PM

Some trends in Mathematical Fluid Dynamics

Abstract

In the first part of the talk I shall discuss the construction of complex-valued solutions of equations of fluid dynamics and present some numerical results. In the second part I shall discuss some bifurcations of solutions of the Navier-Stokes system. The talk will be based on joint papers with Dong Li (IAS)