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**Igor Kukavica\***, Department of Mathematics, University of Southern California, Los Angeles, CA 90089-2532, and **Juan J. Torres**. *Decay properties of solutions of the Navier-Stokes equations.*

In this talk, we address decay properties of solutions of the Navier-Stokes system. Special emphasis will be placed on the implications of the temporal decay on the weighted decay of solutions. Most of the work is joint with Juan J. Torres. (Received January 23, 2007)