

1040-76-193

Clodoaldo Grotta Ragazzo* (ragazzo@ime.usp.br), Univ. S. Paulo, Inst. Mat. Estat. (IME-USP), Butantã, São Paulo, São Paulo 05508-900, Brazil. *Hydrodynamic interaction between bodies*. Preliminary report.

This talk begins with an overview on the physical origin of forces and torques acting on rigid bodies moving in an incompressible fluid. Then the speaker will report on his work on the problem of hydrodynamic interaction of rigid bodies, namely, the forces that two moving rigid bodies cause on each other due to the presence of the surrounding fluid. (Received February 14, 2008)