

1040-35-18

**Tomas Schonbek\*** ([schonbek@fau.edu](mailto:schonbek@fau.edu)), Department of Mathematical Sciences, Florida Atlantic University, Boca Raton, FL 33431. *Exterior Problems*. Preliminary report.

We use some techniques from scattering theory to obtain information about rates of decay of solutions of the Navier-Stokes and of the quasi-geostrophic equation in the presence of an obstacle. This is joint work with Maria E. Schonbek. (Received December 27, 2007)