

1078-35-358

**Jacob Glenn-Levin\***, University of Texas at Austin, Department of Mathematics, 1 University Station C1200, Austin, TX 78712. *Incompressible Boussinesq equations in borderline Besov spaces.*

I will discuss local-in-time existence and uniqueness for the incompressible Boussinesq equations. I assume the density equation has nonzero diffusion and that the initial data belongs in a Besov-type space  $B_\Gamma$  based upon the space  $B_{\infty,1}^0$ . (Received December 13, 2011)