1063-35-236   **Maria Elena Schonbek*** (`schonbek@ucsc.edu`), 1156 High St., Math Dept., UCSC, Santa Cruz, Ca 95064, and **Mimi Dai** and **Jie Qing**. *Norm inflation for incompressible magneto-hydrodynamic system.*

Based on the construction of Bourgain and Pavlovic , I will show that the solutions to the Cauchy problem for the three dimensional different types of norm inflations in $\dot{B}_{\infty}^{-1,\infty}$. Particularly the magnetic field can develop norm inflation in short time even when the velocity remains small and vice verse. (Received August 17, 2010)