1147-35-228   **Mimi Dai*** (`mdai@uic.edu`). *Ill-posedness of non-resistive Hall-MHD system.*

For the Hall-MHD system with no diffusion in the magnetic field equation, we demonstrate ill-posedness in some Sobolev spaces with positive index, by constructing initial data that produces large solution in a short period of time. (Received January 11, 2019)