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xianpeng Hu* (xianpeng@cims.nyu.edu). *The vanishing viscosity limit of the incompressible magnetohydrodynamics with zero magnetic diffusivity.* Preliminary report.

In this talk, we consider the existence of weak solutions to the 3-dimensional incompressible magnetohydrodynamics with zero magnetic diffusivity. The existence will be verified via a vanishing viscosity limit of the viscous incompressible magnetohydrodynamics. (Received June 27, 2011)