

1118-35-40

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11735. *The global regularity of Magnetohydrodynamic equations.*

Whether the classical solutions of two-dimensional incompressible ideal Magnetohydrodynamic equations can develop a finite time singularity from smooth initial data with finite energy is an outstanding open problem in fluid dynamics. In this presentation, we discuss some recent results related to two-dimensional and two-and-half dimensional Magnetohydrodynamic equations. (Received January 26, 2016)