

DIFFERENTIAL GEOMETRY/PDE SEMINAR

FRIDAY, DECEMBER 2, 2005

THO 231

2:30-3:20PM

On the interaction of nearly parallel vortex filaments

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We consider the system for the interaction of nearly parallel vortex filaments deduced by Klein, Majda and Damodaran. Explicit physical relevant solutions are deduced. Assumptions on the unperturbed configurations and on the initial parameters which guarantee the existence of global regular solutions (no finite time collapse) are also obtained.

For more information about this seminar, visit the DG/PDE Seminar Web page (from the Math Department home page, www.math.washington.edu, follow the link **Seminars, Colloquia, and Conferences**).

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