

Texas Tech University. Applied Mathematics Seminar.

Boundary Optimal Control Problems for the Incompressible MHD Equations - Part II.

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Wednesday, October 10, 2012

Room: MATH 014. Time: 4:00pm.

ABSTRACT. In this seminar we will continue the discussion about boundary optimal control problems for the incompressible Magnetohydrodynamics equations started in our previous talk. In particular, focus will be given to numerical algorithms for the solution of the optimality system arising from the first-order necessary condition associated to the considered optimal control problem. Finite element approximation will be discussed together with some numerical results and research perspectives.