

Abstract Submitted
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NIMROD Simulations of CTH Non-Axisymmetric Plasmas

JONATHAN HEBERT, Auburn University, MARK SCHLUTT, University of Wisconsin — The NIMROD code has recently been modified to allow for simulations of non-axisymmetric plasmas. As an early application of this new method, stellarator-like fields in the Compact Toroidal Hybrid (CTH) at Auburn University have been simulated and analyzed. A comparison between NIMROD calculated equilibrium fields and modeled equilibrium fields is presented. Also, plans for a study of disruptions caused by edge magnetic islands in the CTH are presented.

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