

Abstract Submitted
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3D Equilibrium Reconstruction with Magnetic Islands for DIII-D ELM Suppression Experiments¹ ALLAN REIMAN, DONALD MONTICELLO, Princeton Plasma Physics Lab, Princeton Univ. — We discuss 3D equilibrium calculations performed with the PIES2012 code for nonaxisymmetric DIII-D shots. The shots were part of a series of experiments studying the suppression of edge localized modes (ELMs) using externally imposed nonaxisymmetric magnetic fields. Our calculations are benchmarked against those of other codes, and are compared with experimental observations.

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