

## **Simulations of LH coupling in the Madison Symmetric Torus Reversed Field Pinch\***

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Simulations using several codes are being performed in support of the LH experiment in the Madison Symmetric Torus (MST) Reversed Field Pinch (RFP). Due to the special requirements of the MST RFP configuration (tight-fitting conducting shell in which only minimal portholes can be tolerated), a novel inter-digital line slow-wave launch structure is used, mounted below the mid plane on the inboard side. The unusual configuration made it necessary to modify the main RF coupling code, RANT3D/AORSA1D-H, which was primarily developed for tokamak simulations. Preliminary results will be presented and compared with both analytic RF theory and numerical results from other codes.

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