

Abstract Submitted  
for the OSS06 Meeting of  
The American Physical Society

**Revisited comparison of thermal instability theory with MARFE density limit experiment in TEXTOR.** FREDERICK KELLY — Density limit shots in TEXTOR [Tokamak EXperiment for Technology Oriented Research] that ended in MARFE [Multifaceted Asymmetric Radiation From the Edge] are analyzed by several thermal instability theories<sup>1–7</sup> with convective effects included.

<sup>1</sup>W. M. Stacey, Phys. Plasmas **3**, 2673 (1996); Phys. Plasmas **3**, 3032 (1996); Phys. Plasmas **4**, 134 (1997); Phys. Plasmas **4**, 242 (1997).

<sup>2</sup>W. M. Stacey, Plasma Phys. Contr. Fusion **39**, 1245 (1997).

<sup>3</sup>W. M. Stacey, Fusion Technol. **36**, 38 (1999).

<sup>4</sup>W. M. Stacey, Phys. Plasmas **7**, 3464 (2000).

<sup>5</sup>F. A. Kelly, W. M. Stacey, J. Rapp and M. Brix, Phys. Plasmas **8**, 3382 (2001).

<sup>6</sup>M. Z. Tokar and F. A. Kelly, Phys. Plasmas **10**, 4378 (2003).

<sup>7</sup>M. Z. Tokar, F. A. Kelly and X. Loozen, Phys. Plasmas **12**, 052510 (2005).

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Date submitted: 20 Mar 2006

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