

Modelling q_{95} Windows for the Suppression of Edge Localized Modes by Resonant Magnetic Perturbations in the DIII-D Tokamak: Relaxation of the No-Slip Constraint

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I. INTRODUCTION

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III. TOROIDAL MODEL

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DATA AVAILABILITY STATEMENT

The data that support the findings of this study are available from the corresponding author upon reasonable request.

REFERENCES

- ¹ R. Fitzpatrick, Nucl. Fusion **33**, 1049 (1993).
- ² H.P. Furth, J. Killeen, and M.N. Rosenbluth, Phys. Fluids **6**, 459 (1963).
- ³ P.H. Rutherford, Phys. Fluids **16**, 1903 (1973).