

General Taylor Configuration Expansion Revisited

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Abstract

The validity of a series expansion proposed previously [T.H. Jensen and M.S. Chu, Phys. Fluids 27, 2881 (1984)] for describing general Taylor configurations of magnetized plasmas has been reexamined because an apparent paradox was realized. From analyses of simple cases which can be dealt with mostly analytically, it is concluded that the paradox is a Gibbs phenomenon, and that the series expansion is valid.

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