

Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

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PEM027-06

会場:103

時間:5月25日 17:45-18:00

地球磁気圏近尾部領域におけるプラズモイド周りの磁場構造 Magnetic Configurations around a Plasmoid in the Near-Earth Magnetotail

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Magnetic configurations around plasmoids propagating in the directions of earthward and tailward in the near-Earth plasma sheet were studied using MHD simulations and statistical analyses of Geotail observations. MHD simulations were done giving a single X-line. These results are appeared in the statistics of events. This fact making it possible to conclude that magnetic configurations around plasmoids in the near-Earth plasma sheet are the NFTE-like structure, not the flux rope-like structure.

キーワード: リコネクション, プラズモイド, 磁場構造, MHD シミュレーション, 衛星観測
Keywords: Reconnection, Plasmoid, Magnetic Configuration, MHD simulation, Satellite observations