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## Multispacecraft wave diagnostics of the flapping motion of the magnetotail current sheet

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The flapping motion of the magnetotail current sheet has a valuable contribution to magnetosphere dynamics. We have investigated features of flapping motions involving single- and multi-spacecraft methods using MMS and Cluster measurements. Velocities of dawn-dusk propagation of these motions and their types have been determined using Harris current sheet model and minimum variance analysis of the magnetic field. Dispersion features of such wavy motions using the phase differencing technique were explored.

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