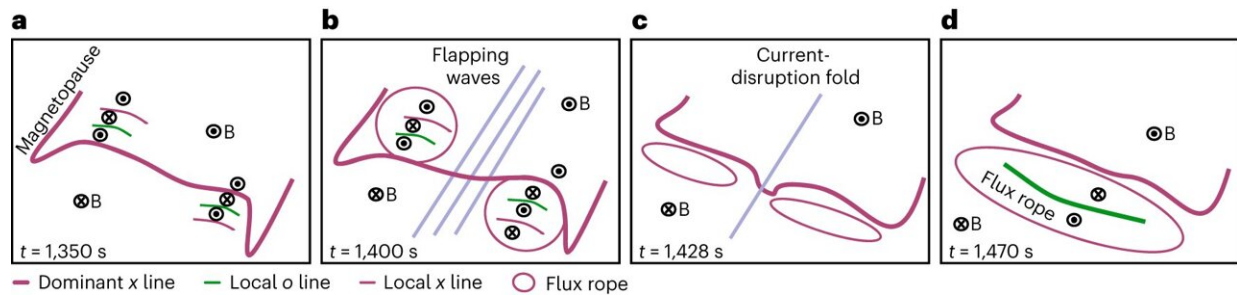


# Simulation claims to find solutions to a central mystery in space physics

June 29 2023



Simplified schematics showing the events within the tail current sheet leading to the eruption of the tail-wide plasmoid. a, The situation within Fig. 1b, showing the two local reconnection regions Earthward and tailward of the dominant x line. Magnetic field topology is given, with  $\odot$  and  $\otimes$  symbols representing outward and inward directions with respect to the plane and corresponding to  $B_z > 0$  and  $B_z < 0$

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