

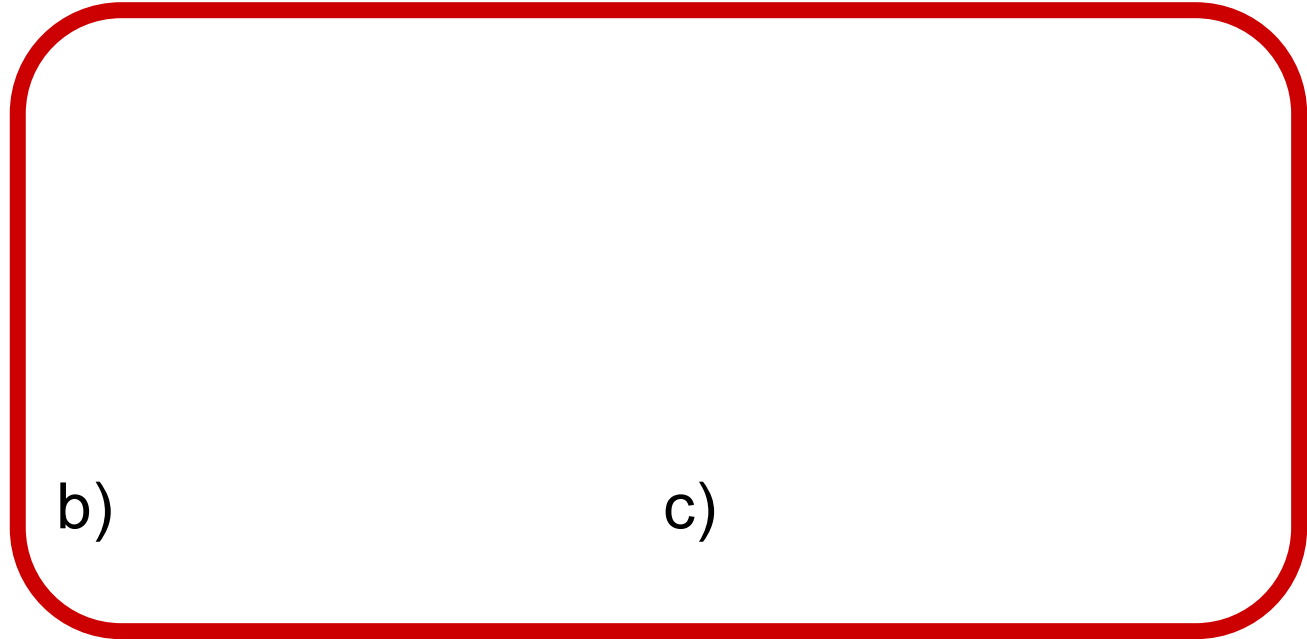
Temporal Evolution of Flux Rope/Tube Entanglement in 3-D Hall MHD Simulations

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A 3-D Hall-MHD model of step b-c

a)



b)

c)

4 different cases

Entangling Flux Ropes

Summary

- Previously entangled flux tubes reconnect into untangled ropes.
- This process is mainly driven by the momentum of converging plasma
- Flux rope reconnection has been modeled at different conditions.