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Título: On the topology of the magnetic lines of solutions of MHD.

Abstract: We give examples of solutions to the magnetohydrodynamic (MHD) equation with positive resistivity for which the topology of the magnetic lines changes under the flow. By Alfvén's theorem this is known to be impossible in the ideal case (resistivity = 0). This is a joint work with Pedro Caro and Gennaro Ciampa.