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Title: Variational framework for chiral skyrmions

Abstract: Chiral skyrmions are topological solitons occurring in magnets without inversion symmetry. We shall explain the analytical structure and variational consequence of chiral interactions responsible for their stabilization as energy minimizers within a non-trivial homotopy class. Moreover, we shall discuss their dynamic stability with respect to the Landau-Lifshitz-Gilbert equation driven by spin-transfer torques as customary in spintronic applications.