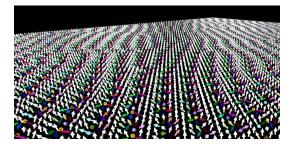
Progress in modeling and analysis for nanomagnetism and related topics



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Travelling waves in ferromagnetic nanotrips

Friday, 17 October 2025 09:30 (45 minutes)

We study the existence, uniqueness, and symmetry of variational domain-wall traveling waves for the LLG equation. The model is based on an energy functional obtained in a suitable asymptotic regime of the micromagnetics for infinitely long thin film ferromagnetic strips in which the magnetization is forced to lie in the film plane.

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