



Stability of precessing domain walls in ferromagnetic nanowires

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We show that recently reported precessing solution of Landau-Lifshitz-Gilbert equations in ferromagnetic nanowires is stable under small perturbations of initial data, applied field and anisotropy constant. Linear stability is established analytically, while nonlinear stability is verified numerically.

Comments: 8 pages, 5 figures, latest version: corrected typos, new figures, added references

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