



Contribution ID: 13

Type: **not specified**

## Dynamics of domain walls on nanowire

*Wednesday, 15 October 2025 12:15 (45 minutes)*

Domain walls are natural topological structures which can be observed for the spin configuration on a ferromagnet.

I will present some stability and interaction results for domain walls on a nanowire. They evolve under the Landau-Lifschitz-Gilbert flow related to an energy which takes into account the Dzialochinski-Morya interaction. I will also discuss the effect of inhomogeneity in the nanowire, which is relevant when considering notches.

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