



Mathematics and CS Seminar

The Mullins-Sekerka problem with contact angle

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Host: Julian Fischer

The Mullins-Sekerka problem for closed interfaces is widely studied since it appears naturally as a gradient flow of the area functional, as a sharp interface limit of the Cahn-Hilliard equation, and in physical models of phase changes. In this talk I will address the Mullins-Sekerka problem for interfaces with a ninety degree contact angle. In particular, I will show existence and uniqueness of strong solutions and discuss stability properties. If time permits, I might also talk a bit about recent progress in Mullins-Sekerka/Navier-Stokes problems with contact angle. This is joint work with Helmut Abels, Harald Garcke, and Mathias Wilke.

Thursday, January 23, 2020 04:00pm - 06:00pm

Heinzel Seminar Room / Office Bldg West (I21.EG.101)



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

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