

ATELIER
« ORDRE PARTIEL DANS LES MATÉRIAUX : ANALYSE, SIMULATIONS ET SUJETS CONNEXES »
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WORKSHOP
“PARTIAL ORDER IN MATERIALS: ANALYSIS, SIMULATIONS AND BEYOND”
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Dimension reduction for the Landau-de Gennes model of nematic films on surfaces

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I will present the dimension reduction procedure for the Landau-de Gennes model describing a nematic film deposited on a general surface. I will also discuss the structure of limiting-energy-minimizing configurations for some simple examples.

This is joint work with Peter Sternberg and Alberto Montero.

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