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Salem Al Mosleh (University of Massachusetts, Amherst)

Regularizing ridigifying curves to understand the low energy deformations of thin shells

John Clayton (University of Maryland)

Phase field and Finsler geometric theories applied to twinning, shear localization, fracture and cavitation

Brittan Farmer (Drexel University)

Crystallization for a Brenner-like potential

Steve Fitzgerald (University of Oxford)

Kink pair production and dislocation motion

Davit Harutyunyan (University of Utah)

Korn inequalities for shells with zero Gaussian curvature

Eugenia Kim (University of California, Berkeley)

Mimetic finite difference method for the Landau Lifshitz equation

Leonard Kreutz (Gran Sasso Science Institut)

Optimal bounds for periodic mixtures of ferromagnetic interactions

Maxim Lavrentovich (University of Pennsylvania)

Putting patterns on pollen

James Lee-Thorp (Columbia University)

Topologically protected edge states in continuous systems

Ricardo Mosna (University of Campinas, Brazil)

Curvature and topological defects in 2D smectic structures

Anton Muehlemann (University of Oxford)

A proposition for the morphology of steels based on non-linear elasticity

Ethan O'Brien (NYU/Courant Institute)

Wrinkling of a twisted ribbon

Souhayl Sadik (Georgia Institute of Technology)

A geometric theory of nonlinear morphoelastic shells

David Shirokoff (New Jersey Institute of Technology)

Approximate global minimizers to pairwise interaction problems

Iryna Sivak (University of Massachusetts, Amherst)

In control of oscillations: fracture of thin films by blunt objects

Jamie Taylor (University of Oxford)

Maximum entropy and Onsager's free energy

Ian Tobasco (NYU/Courant Institute)

Energy scaling laws for an axially compressed thin elastic cylinder

Stephan Wojtowytsch (Durham University, UK)

Diffuse interfaces and connectedness

Xiang Xu (Old Dominion University)

Cubic instability in a Q-tensor model for liquid crystals

Yue Yu (Lehigh University)

Fractional modeling in cerebral aneurysms

Teng Zhang (Syracuse University)

Designing graphene structures with controlled topological defects

Wujun Zhang (University of Maryland)

A finite element method for nematic liquid crystals with variable degree of orientation

Maxim Zyskin (University of Nottingham, UK)

Transformation groups and discrete structures in continuum description of defective crystals