



Seminar/Talk

Dislocation motion and plasticity

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Host: Julian Fischer

Elastoplastic models are typically written in the form of a rate-independent evolution which is characterised by the dissipation potential and the elastic energy. We will compare the continuum version of elasto-plasticity with a model for dislocation motion which also takes the form of a rate-independent evolution. For a suitable choice of the dissipation potential, we can show at least informally, that the dislocation evolution converges to an elasto-plastic evolution.

Tuesday, July 1, 2025 04:15pm - 05:15pm

Office Bldg West / Ground floor / Heinzl Seminar Room (I21.EG.101)



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