

FUNDAMENTALS OF DEFECT-DRIVEN INELASTICITY OF SOLIDS AND LIQUID CRYSTALS

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ABSTRACT

The goal of this minisymposium will be to conduct a dialog between researchers interested in understanding the emergence of macroscopic inelastic behaviors of solid and liquid crystalline media from their defect-mediated microscopic elasticity. The emphasis will be on fundamental models and experiments, even if approximate, understood through theory, computation, and experiments. The minisymposium will have an approximately equal mix of engineers, physicists, and mathematicians.