

Abstract Submitted
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Orientalional order and topological defects in smectics BRYAN CHEN, GARETH ALEXANDER, RANDALL KAMIEN, University of Pennsylvania — The homotopy theory of topological defects in liquid crystals fails to completely characterize disclinations in smectics, due to the broken translational symmetry. We provide an approach to enumerating topological defects that correctly accounts for the interaction between translations and rotations.

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