Topological edge and dislocation modes in 3D Floquet systems
DOMINIC REISS, FENNER HARPER, RAHUL ROY, Univ of California - Los
Angeles — Anomalous chiral edge modes are known to arise in both interacting
and non-interacting periodically driven systems in two dimensions. We study three
dimensional Floquet systems with translational symmetry which exhibit anomalous
edge modes and show that dislocations in these systems can bind topological modes.
We attempt a classification of such anomalous 3D drives and study a bulk-boundary
correspondence in these systems.

Dominic Reiss
Univ of California - Los Angeles