

Massachusetts Institute of Technology
Department of Physics

Condensed Matter Theory Seminar

"Model for metal-insulator transition and superconductivity in twisted bilayer graphene"

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Abstract: We propose a two-orbital Hubbard model on an emergent corrugated honeycomb lattice to describe the low-energy physics of graphene superlattices. Our model provides a theoretical basis for studying metal-insulator transition, Landau level degeneracy lifting and superconductivity that are recently observed in twisted bilayer graphene.

2:00pm
Friday, April 6, 2018
Duboc Room (4-331)

Host: Itamar Kimchi