

Condensed Matter Theory Center Seminar



Wednesday, November 2
11:00 am – 12:00 pm
2205 John S. Toll Physics Building

Jeffrey Teo
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“Between topological strings and topological phases”

Abstract: Topological phases in two and three dimensions can be theoretically constructed by coupled-wire models whose fundamental constituents are electronic channels along strings. On the other hand the collective topological phases support further fractionalized emergent quasi-string excitations or defects such as flux vortices. In this talk I will describe topological superconductors and Dirac (or Weyl) semimetals using coupled-wire models, and discuss the fractional behavior of emergent topological strings.

Host: Ching-Kai Chiu

Web: <http://www.physics.umd.edu/cmtc/seminars.html>

