

Condensed Matter Theory Center Seminar



Tuesday, September 19
11:00 am – 12:15 pm
2205 John S. Toll Physics Building

Isaac Kim
IBM Research

“Global symmetries and protected quantum gates”

Abstract: I will discuss an exactly solvable model that is locally equivalent to the toric code model almost everywhere, yet possesses an unusual global Z_3 symmetry. I will explain the physical origin of this symmetry, and discuss how it can be used to perform a number of different protected gates. (Based on a joint work with Ted Yoder)

Host: Junhyun Lee

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

