



سمینار هفتگی گروه اطلاعات کوانتومی
سه‌شنبه ۱۳۹۴/۱۰/۱، ساعت ۱۵:۰۰، اتاق شورای دانشکده‌ی فیزیک

Topological Quantum Computation with Parafermions

Mehdi Soleimanifar

Sharif University of Technology

Abstract

In this talk, I will first briefly review the properties of Majorana fermions, and how they may be used in topological quantum computation. I will then talk about parafermions as natural generalizations of Majorana fermions, and I will also discuss their applications in quantum computing.