

I. Introduction

- A. FCIs & asymmetric continuum models
- B. Chern band geometry
- C. Hofstadter model

II. General Hamiltonian/family of Hamiltonians

- A. Small B limit

III. Quartic Hamiltonian

- A. Classification
- B. Effective Hamiltonian for LL subspace
- C. Approximate states/energies
- D. Approximation error/range of validity

IV. Quartic Hofstadter

- A. Model definition, continuum limit
- B. Deviation from fine-tuning/range of validity
- C. Band geometry
- D. FQHE
- E. Generalization

V. Discussion