The hamiltonicity of quasi-random k-graphs

Wei Li

College of Computer and Information Sciences, Fujian Agriculture and Forestry University

Abstract

This paper gives a spectral condition for the existence of the Hamilton Berge cycle in the quasi-random k-uniform hypergraps with sufficient large number of vertices. (Join work with Ailian Chen)

Keywords: quasi-random, Hamiltion Berge cycle, expansion, the second largest eigenvalue, hypergraphs.

E-mail address: liwei@fafu.edu.cn