

COMBINATORICS
SEMINAR

Subgraphs of large degree and large girth in graphs and digraphs

Daniel Martin
Universidade Federal do ABC

Abstract: In 1983 Carsten Thomassen conjectured that for all positive integers k and g there exists d such that all graphs with average degree at least d contain a subgraph of average degree at least k and girth at least g . In this talk we discuss what is known about this problem and its relationship with other problems. We also give a proof that the analogous problem for directed graphs has an affirmative answer.

Friday, April 1, 2011, 4:00 pm
Mathematics and Science Center: W306

MATHEMATICS AND COMPUTER SCIENCE
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