



## 复旦大学数学科学学院 数学综合报告会

报告题目: Distance spectral radius of graphs

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时间: 2021-10-21 星期四 9:00-10:00

地点: 腾讯会议ID:308 106 097, 密码:24680

报告摘要:

The distance spectral radius of a connected graph is the largest eigenvalue of the distance matrix of the graph. It is interesting to determine those graphs that uniquely minimize and/or maximize the distance spectral radius over some families of graphs. We report a recent work to determine the unique graph that maximizes the distance spectral radius over all  $n$ -vertex cacti with exactly  $k$  cycles, where  $0 \leq k \leq (n-1)/2$ , settling a conjecture in [S.S. Bose, M. Nath, S. Paul, On the distance spectral radius of cacti, Linear Algebra Appl. 437 (2012) 2128–2141].

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