



istanbul matematiksel bilimler merkezi
istanbul center for mathematical sciences

İSTANBUL DISCRETE MATHEMATICS MEETINGS

SIGN PATTERNS OF GRAPH LAPLACIAN EIGENVECTORS

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Abstract

The Laplacian matrix holds a lot of structural information about a given graph. In this talk we give a short introduction in the properties of this matrix and its eigenvectors. In particular we investigate their sign patterns, in particular in the number of so called nodal domains which are maximal components where the vector does not change sign.

Date : Friday, April 27, 2012

Time: 11:00

Place: IMBM Seminar Room, Boğaziçi University South Campus