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Algebraic conditions for t -tough graphs. (English) Zbl 1224.05307
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Summary: We give some algebraic conditions for t -tough graphs in terms of the Laplacian eigenvalues and adjacency eigenvalues of graphs.

MSC:

[05C50](#) Graphs and linear algebra (matrices, eigenvalues, etc.)
[05C75](#) Structural characterization of families of graphs
[15A18](#) Eigenvalues, singular values, and eigenvectors

Cited in 4 Documents

Keywords:

t -tough graph; Laplacian matrix; adjacent matrix; eigenvalue

Full Text: [DOI](#) [EuDML](#)

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