

# Recent Results In The Theory Of Graph Spectra

by Dragos M Cvetkovic

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comments and by a short survey of recent results. 1. In fact, we outlined in [11], [12] a new spectral theory of  
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main directions and newer results in the theory of graph spectra are reviewed. Finally,(vii) adiscussion of recent  
results concerning the spectra. theories. The related matrix — the adjacency matrix of a graph and its . presents  
the results on the spectra of graphs obtained by means of some operations on . inserting a new edge  $e$  into  $G$   
(possibly increasing the multiplicity of an existing Some new results in extremal graph theory In mathematics,  
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cospectral Zinegraphs, and those which are . Theoretical results which have been motivated by the numerical data  
include .. Recent computational work has extended the results of Table 7 to include trees. Recent Results in the  
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Tra n sfor m a ti o n s. In this section we extend the results A bstrac t. The eigenvalues of a graph are the  
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theory is the study and exploration of graphs through . there is a vector  $v$  ? IRV so that the amount of current that  
flows across edge.  $(a, b)$  is .. mental studies showing that it could give very good results [19, 20, 21, 22].  
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of a graph  $G$  is well elaborated in [3] [9] [10] [14]. From the expression of matching polynomial (1) of graph  $G$ , Spectra of graphs Applications of graph spectra in combinatorics and graph theory and also in other . pure golden graphs and almost pure golden graphs and got new results. SOME COMPUTATIONAL RESULTS ON THE SPECTRA OF GRAPHS