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Title:	A generalization of Fiedler's lemma and the spectra of H-join of graphs
Authors:	Murugan, S.P. (/jspui/browse?type=author&value=Murugan%2C+S.P.)
Keywords:	Graph operations Graph eigenvalues Universal adjacency matrix
Issue Date:	2021
Publisher:	Eslevier
Citation:	Linear Algebra and Its Applications, 625, 20–43.
Abstract:	A new generalization of Fiedler's lemma is obtained by introducing the concept of the main function of a matrix. As applications, the universal spectra of the H-join of any graphs (possibly non-regular) and the adjacency spectra of the H-generalized join constrained by (arbitrary) vertex subsets are obtained. The adjacency spectra of the generalized corona of graphs is deduced from the spectra of the H-join of graphs. Also, the construction of infinitely many pairs of non-regular universal cospectral graphs is provided.
Description:	Only IISER Mohali authors are available in the record.
URI:	https://doi.org/10.1016/j.laa.2021.04.015 (https://doi.org/10.1016/j.laa.2021.04.015) http://hdl.handle.net/123456789/5178 (http://hdl.handle.net/123456789/5178)
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