

SPECTRA OF LAPLACIANS ON FORMS ON AN INFINITE GRAPH

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Abstract. In the context of infinite weighted graphs, we consider the discrete Laplacians on 0-forms and 1-forms. Using Weyl’s criterion, we prove the relation between the nonzero spectrum of Δ_0 and that of Δ_1 . Moreover, we give an extension of the work of John Lott to characterize the 0-spectrum of these two Laplacians.

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