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Sebastian M Cioabă* (scioaba@math.ucsd.edu), University of California, San Diego,
Department of Mathematics, 9500 Gilman Drive, La Jolla, CA 92093-0112. *Eigenvalues and the
structure of graphs*. Preliminary report.

In this talk, I will describe some old and new connections between the eigenvalues of a graph and other invariants such as expansion, connectivity and perfect matchings. (Received September 05, 2007)