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Maximum spectral radius of graphs with given connectivity and minimum degree

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Shiu, Chan and Chang [On the spectral radius of graphs with connectivity at most k, J. Math. Chem., 46 (2009), 340-346] studied the spectral radius of graphs of order n with λ (2009), 340-346] studied the spectral radius of graphs of order n with λ (2009), 340-346] studied the spectral radius of graphs of order n with λ (2009), 340-346] studied the spectral radius of graphs of order n with λ (2009), 340-346] studied the spectral radius of graphs, the maximum spectral radius is obtained uniquely at K_k^n , which is the graph obtained by joining k edges from k vertices of K_{n-1} to an isolated vertex. In this paper, we study the spectral radius of graphs of order n with λ (appa(G)) (eq k and minimum degree λ (delta(G)) (geq k k. We show that among those graphs, the maximum spectral radius is obtained uniquely at $K_{k}+(K_{\lambda}-k)$ (delta-k+1) (cup $K_{n-\lambda}-k$).

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