# Energy of Graphs

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## Abstract

The eigenvalues of a graph are the eigenvalues of its adjacency matrix. The energy of a graph is defined as the sum of the absolute values of the eigenvalues of a graph. A graph of order $n$ is said to be hyperenergetic graph if its energy is more than the energy of a complete graph $K_n$. In this talk we discuss some bounds on the energy of graphs. Further we discuss the hyperenergetic graphs.