

1086-05-2421 **Fan Chung*** (fan@ucsd.edu), 1555 Coast Walk, La Jolla, CA 92037. *Recent results and problems in spectral graph theory.*

We will discuss some recent developments in spectral graph theory and mention a number of results and problems on random walks on directed graphs, vertex and edge ranking, interlacing theorems, partition and clustering, among others. (Received September 25, 2012)