
AHMAD MOJALLAL, University of Regina
Nonregular Graphs with Three Eigenvalues

In this talk, we study nonregular graphs with three eigenvalues. We look at the well-known results in this area, focusing particularly on addressing a question posed by Muzychuk and Klin in their paper [M. Muzychuk, M. Klin, On graphs with three eigenvalues, *Discrete Mathematics* 189 (1998) 191-207] "Is there an upper bound for the number of distinct degrees in a graph? If so, then find it".