

An improved bound for strongly regular graphs

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Sims showed that there are for primitive strongly regular graphs with fixed smallest eigenvalue $-m$ except for a finite number of them they belong two families of graphs. Later in 1979, Neumaier made this bound explicit. In this talk we will improve this bound by Neumaier. This is based on joint work with Chenhui Lv, Greg Markowsky and Jongyook Park.