

# Almost Strongly Regular Graphs

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## Abstract

We investigate what we call  $(\delta, \epsilon)$ -almost strongly regular graphs with parameters  $(n, k, \lambda, \mu)$ . In particular, we generalize some well known results and bounds on the parameters of strongly regular graphs from Bose and Dowling(1963) and Babai(1980, 2014) that fit our criteria of  $(\delta, \epsilon)$ -almost strongly regular graphs. We provide examples of a family of graphs which meet our definition.