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Shaun M Fallat* (sfallat@math.uregina.ca), Department of Mathematics and Statistics,
Regina, Sask. S4S 0A2, Canada. *Progress on the Graph Complement Conjecture.*

The minimum rank of a discrete graph has been a compelling problem for a number of researchers over the past decade or so. One of the many unresolved questions on this topic is the so-called graph complement conjecture, which grew out of a workshop in 2006. This conjecture essentially asks for a bound on the sum of the minimum of a graph and the minimum rank of its complement. To date the presumed correct bound is two plus the order of the graph. During this talk, I will report on some recent progress on this conjecture and related variants. (Received February 10, 2010)