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**Andries E. Brouwer, Sebastian M. Cioabă, Ferdinand Ihringer and Matt McGinnis\***,  
mamcginn@udel.edu. *The smallest eigenvalues of Hamming and Johnson graphs.*

We prove a conjecture by Van Dam & Sotirov on the smallest eigenvalue of (distance- $j$ ) Hamming graphs and a conjecture by Karloff on the smallest eigenvalue of (distance- $j$ ) Johnson graphs. (Received September 21, 2017)