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Katherine F. Benson and **Daniela Ferrero*** (dferrero@txstate.edu), Department of Mathematics, Texas State University, San Marcos, TX 78666, and **Mary Flagg**, **Veronika Furst**, **Leslie Hogben** and **Violeta Vasilevska**. *Nordhaus-Gaddum bounds for the power domination number of a graph.*

In 1956, Nordhaus and Gaddum gave lower and upper bounds for the sum and the product of the chromatic number of a graph and that of its complement, in terms of the order of the graph. Since then, similar bounds have been proposed for other graph parameters and interesting results have been derived from them. In this talk we present Nordhaus-Gaddum type bounds for the power domination number of a graph. (Received September 06, 2016)