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**Daniela Ferrero\*** ([dferrero@txstate.edu](mailto:dferrero@txstate.edu)), Texas State University, San Marcos, TX 78666.

*Product Throttling for Power Domination.*

Power domination is a particular form of graph searching introduced as a model for the monitoring process of electrical power networks. As electrical power systems become increasingly more complex, so does their monitoring process. Initially aimed at preventing blackouts and power surges, nowadays the infrastructure used for monitoring power systems is also used to enhance the quality of the service provided by the network. As a result, new questions about the power domination problem in graphs have also appeared. In particular, the interest on the trade-off between time and costs involved in a power domination process, leads to the study of product throttling for power domination. In this talk, we present recent results on the power throttling number of a graph, including bounds, characterization of graphs with extremal product throttling numbers and values for specific classes of graphs. (Received February 16, 2021)