1154-VP-881   **Paul Horn** and **Lauren M. Nelsen***, nelsenl@uindy.edu. *Diffusion of PageRank on graphs.*

Personalized PageRank has found many uses in not only the ranking of webpages, but also algorithmic design, due to its ability to capture certain geometric properties of networks. In this talk we will discuss graph curvature and how we can use curvature lower bounds to understand the diffusion of PageRank on graphs. (Received September 11, 2019)