In this talk I will introduce Lovasz’ theta function, and present Lovasz’ own proof of his seminal independence number bound. I will talk about Alpha-Theta (or AT) graphs, the graphs where the independence number equals Lovasz’ theta, a very rich class indeed. And I will present two short new proofs that 2 interesting classes of graphs are AT. This is joint work with Hudson Lafayette and Robert Jacobs.

For the DM seminar schedule, see:
https://www.people.vcu.edu/~clarson/dms.html