1109-37-289   **May Mei*** (`meim@denison.edu`), Department of Mathematics & Computer Science, Denison University, Granville, OH 43023-0810. *Fractal Spectra Arising in Models of Quasicrystals.*

In this talk, we will discuss Cantor sets that appear as spectra of discrete Schrödinger operators with potentials given by primitive invertible substitution sequences. Such operators are a one-dimensional model of quasicrystals, a material whose structure is highly ordered but not periodic. (Received February 03, 2015)