1046-13-1375 **K Alan Loper*** (lopera@math.ohio-state.edu), Department of Mathematics, Ohio State University - Newark, 1179 University Drive, Newark, OH 43055, and **Francesca Tartarone**. Compact metric spaces and Prufer domains of polynomials. Preliminary report.

It is well known that the maximal ideals of Int(Z) containing a given prime p can be naturally indexed by the p-adic integers. Much use has been made of the correspondence between the ideal structure of Int(Z) and the metric space topology of the p-adic integers. In this talk we extend this correspondence between maximal spectra and compact metric spaces to include all Prufer domains which lie between Z[X] and Q[X]. (Received September 17, 2008)