Elizabeth M Bator* (bator@unt.edu), University of North Texas, Department of Mathematics, PO 311430, Denton, TX 76203-1430. *Typical Closed Subsets of $R^n$. Preliminary report.

G. Beer showed that the Wijsman topology on a Polish space, which is a hyperspace topology, is also a Polish space. This is easily shown in $R^n$. A characterization of “typical” closed subsets of $R^n$ with this topology will be given using cardinality, measure, and category. (Received September 29, 2005)