

1067-Z1-61

Shari S Levine* (Shari.Levine@seh.ox.ac.uk), St. Edmund Hall, Queens Lane, Oxford, OX1 4AR, England. *Cleavability over Fréchet-Urysohn LOTS.*

In this talk we will show that if X is a compact T_2 space cleavable over a Fréchet-Urysohn linearly ordered topological space (LOTS) Y , then X does not have to be homeomorphic to a subspace of Y . We will then discover the conditions under which cleavability implies a homeomorphism exists. Furthermore, we will show that if X is a compactum cleavable over a Fréchet-Urysohn LOTS, then X is a LOTS. (Received July 07, 2010)