

1125-52-2447

Andrzej Szymanski* (andrzej.szymanski@sru.edu), Department of Mathematics and Statistics, Slippery Rock University of PA, Slippery Rock, PA 16057. *On L-structures and other related convexity structures*. Preliminary report.

We analyze some relationships between K-simplicial structures, L-structures, and L^* -spaces. A question due to H. Ben-El-Mechaiekh is answered by showing that K-simplicial structures coincide with L-structures provided they are T. We construct new examples distinguishing L^* -structures from L-structures and we also characterize absolute retracts in terms of L-structures. (Received September 20, 2016)