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Andrzej A Szymanski* (andrzej.szymanski@sru.edu), Department of Mathematics, Slippery Rock, PA 16057. *On L^* -operators and around.* Preliminary report.

We analyze some relationships between simplicial structures, L-structures, and L^* -spaces. We answer a question of H. Ben-El-Mechaiekh by showing that simplicial structures coincide with L-structures given by 1-continuous operators. We construct a continuous L^* -operator on $[0,1]$ that does not permit an L-structure. We show that the unit circle admits no 2-continuous L^* -operators. (Received September 17, 2013)