Jay R. Stine* (jstine@mischericordia.edu). Creating Separation in Topological Spaces.

We give an explicit description of three functors $L_0$, $L_1$, and $L_2$ which create $T_0$, $T_1$, and $T_2$ (resp.) spaces from a given topological space. These functors have equivalent alternative formulations in certain special cases, which we mention. Finally we employ these new $T_i$ spaces to manufacture spaces with other separation properties. (Received September 12, 2011)