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**Jay Schweig\*** ([jay.schweig@okstate.edu](mailto:jay.schweig@okstate.edu)). *Poset-Borel ideals and poset-shifted complexes.*

Borel monomial ideals are those closed under a certain replacement operation. These ideals can be generalized by restricting the replacements allowed, based on a given poset. Shifted simplicial complexes can be thought of as an analogue of Borel ideals, and a similar poset generalization can be defined. Thus, a general question becomes: What can we tell about an ideal or complex, given a (or the) related poset? I'll discuss some past work along these lines, as well as some newer results involving matroid complexes. (Received August 03, 2020)