

- ▶ GABRIEL DAY, *New results on notions of model-theoretic patterning*.
University of Notre Dame.
E-mail: gday2@nd.edu.

Many well-known model-theoretic properties, like OP, IP, and TP can be seen as instantiating combinatorial patterns in the definable sets of structures which witness them. There have been several attempts to characterize these “patterning properties” with a definition, namely with the notion of a straightly definable property and the notion of Σ -SOP, for a poset Σ . I will share some new results on these notions. This work is joint with Scott Mutchnik.