

Around Pairs of Models

A. Pillay

*Department of Mathematics
University of Illinois at Urbana-Champaign
USA*

The recent study of “lovely” pairs of models of a simple theory isolated a notion “weak-non-fcp” providing an appropriate version of Keisler’s “non finite cover property” for simple theories. Assuming weak-non-fcp, an outstanding conjecture regarding unidimensionality and supersimplicity can be proved for countable simple theories, and the pairs play a role in the proof. This as well as the status and nature of imaginaries in pairs will be discussed.