

The Structure of Skew Distributive Lattices

Karin Cvetko Vah

University of Ljubljana

In the talk I will present the standard decomposition theorems for skew lattices. The emphasize will be given to the description of the structure of skew distributive lattices. We shall see that any skew distributive lattice is a distributive lattice of rectangular bands. Further information is given by the so called coset structure. We shall discuss the role of the cosets in the recently obtained duality for skew distributive lattices, which will be presented at this workshop by Sam Van Gool, and is a joined work with Andrej Bauer, Mai Gehrke, Sam Van Gool and Ganna Kudryavtseva.