

MACNEILLE TRANSFERABILITY OF FINITE LATTICES

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ABSTRACT. In 1966 Grätzer introduced the notion of transferability for finite lattices. A finite lattice L is said to be transferable if whenever there is a lattice embedding of L into the ideal completion of a lattice K , then there is also a lattice embedding of L into K . In this talk we will introduce the analogous notion of MacNeille transferability, replacing the ideal completion with the MacNeille completion. We will discuss both positive and negative results concerning MacNeille transferability of finite lattices with respect to various classes of lattices.

This is joint work with G. Bezhanishvili, J. Harding, and J. Ilin.