

A Taxonomy of Dedekind Finite and Reflexive Rings

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Abstract

A taxonomy of Dedekind finite rings and reflexive rings will be given including connections between ring properties defined on elements and those defined on ideals. Symmetrically-reflexive rings will be introduced (formerly, ideal-symmetric) showing their natural place in the given taxonomy. Other lesser known rings will also be shown to fit naturally in the taxonomy including fine, weakly-2-primal, NI, and NR rings.