

Elementary theories and structural properties of d-c.e. and n-c.e. degrees

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Abstract

© 2016, Pleiades Publishing, Ltd. This paper is a survey on the upper semilattices of Turing and enumeration degrees of n-c.e. sets. Questions on the structural properties of these semilattices, and some model-theoretic properties are considered.

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Keywords

elementary theories, enumeration degrees, Erhsov's hierarchy, structural properties, Turing degrees