

1150-03-424

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Extension of Embeddings in the Enumeration Degrees.

We will discuss the global structure of the enumeration degrees E , in the language of partial orders. After a brief overview, we will focus on its two quantifier theory. We do not know whether this theory is decidable. As partial progress, we will discuss a decision procedure for the extension of embeddings problem in E . (Received July 14, 2019)