

1021-03-134

J. Chisholm, J. F. Knight* (knight.1@nd.edu) and **S. Miller**. *Solution to a problem on computable embeddings.*

We show that if T and T' are strongly minimal theories, where T' satisfies a certain property related to triviality and T does not, and T' is model complete, then there is no computable embedding of $Mod(T)$ into $Mod(T')$. Using this, we show that there is no computable embedding of the class of \mathbb{Q} -vector spaces into the class of models of $Th(\mathbb{Z}, S)$. Similarly, we show that there is no computable embedding of the class of algebraically closed fields of characteristic 0 into the class of models of $Th(\mathbb{Z}, S)$. (Received September 01, 2006)