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**Sara Quinn\***, Department of Mathematics, Northwestern University, 2033 Sheridan Road, Evanston, IL 60208-2730, and **E. Fokina, J. F. Knight, C. Maher** and **A. Melnikov**. *Rank Homogeneous Trees and Turing Computable Embeddings*. Preliminary report.

The notion of a Turing computable embedding is an effective analogue of the Borel embeddings used in descriptive set theory to compare classes of countable structures. In this talk, I will discuss joint work with Fokina, Knight, Maher, and Melnikov, in which we locate the class of Rank Homogeneous Trees in the pre-ordering of classes induced by Turing computable embedding. In particular, we show that the class of Rank Homogeneous Trees does not lie on top of this pre-ordering. (Received August 18, 2008)