

1088-20-71

Mark Sapir* (m.sapir@vanderbilt.edu), SC 1326, Department of Mathematics, Vanderbilt University, BNA, TN 37221. *Complicated residually finite groups.*

I will show how to construct finitely presented residually finite groups with prescribed (recursive) Dehn function, prescribed complexity class of the word problem and prescribed (recursive) depth function. This is a joint work with A. Myasnikov and Olga Kharlampovich. (Received February 02, 2013)