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Olga Kharlampovich*, okharlampovich@gmail.com, and **Alexei Myasnikov**. *Definable subsets in a free group*.

We give a description of definable subsets in a free non-abelian group F that follows from our work on the Tarski problems. As a corollary we show that proper non-abelian subgroups of F are not definable (Malcev's problem) and prove Bestvina and Feighn's result that definable subsets in a free group are either negligible or co-negligible. (Received December 12, 2011)