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Johanna Mangahas* (mangahas@umich.edu), Department of Mathematics, 2074 East Hall, 530 Church Street, Ann Arbor, MI 48109-1043. *A Recipe for Short-word Pseudo-Anosovs.*

Suppose some subset of the mapping class group of a surface generates a subgroup containing a pseudo-Anosov. One can find a particular pseudo-Anosov with bounded length in the word metric induced by this subset, where the bound depends only on the surface. We describe how one goes about this. (Received February 22, 2010)