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Bart Kastermans*, University of Wisconsin - Madison, Department of Mathematics, 480 Lincoln Drive, Madison, WI 53706. *A Locally Finite Maximal Cofinitary Group.*

A cofinitary group is a subgroup of $\text{Sym}(\mathbb{N})$ in which all nonidentity elements have finitely many fixed points. We will give the motivation for the question of considering their isomorphism types, and a (brief) sketch of how to construct a locally finite such group. (Received August 03, 2007)