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Konstantin Medynets* (medynets@usna.edu), Annapolis, MD 21401, and **Artem Dudko** (artem.dudko@stonybrook.edu). *Finite Factor Representations of Higman-Thompson Groups.*

We prove that the only finite factor-representations of the Higman-Thompson groups $\{F_{n,r}\}$, $\{G_{n,r}\}$ are the regular representations and scalar representations arising from group abelianizations. As corollaries, we obtain that any measure-preserving ergodic action of a the commutator subgroup of Higman-Thompson group must be essentially free and that these groups have no non-trivial invariant random subgroups. (Received September 04, 2013)