

# Generalized presentations of infinite groups, in particular of $\text{Aut}(F_\omega)$

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We develop a theory of generalized presentations of groups. We give generalized presentations of the symmetric group  $\Sigma(X)$  for an arbitrary set  $X$  and of the automorphism group of the free group of countable rank,  $\text{Aut}(F_\omega)$ .

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MSC classes: 20F05, 20F28, 20E05, 20E36

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