simple group

Canonical name	SimpleGroup
Date of creation	2013-03-22 12:23:35
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Owner	yark (2760)
Last modified by	yark (2760)
Numerical id	9
Author	yark (2760)
Entry type	Definition
Classification	msc 20E32
Related topic	Group
Related topic	NormalSubgroup
Defines	simple

A non-trivial group G is said to be *simple* if the only normal subgroups of G are $\{1\}$ and G itself.

Equivalently, a simple group is a group in which the trivial subgroup is a maximal normal subgroup.