



planetmath.org

Math for the people, by the people.

Ado's theorem

Canonical name	AdosTheorem
Date of creation	2013-03-22 13:20:42
Last modified on	2013-03-22 13:20:42
Owner	bwebste (988)
Last modified by	bwebste (988)
Numerical id	5
Author	bwebste (988)
Entry type	Theorem
Classification	msc 17B10
Related topic	ExamplesOfNonMatrixLieGroup

Every finite dimensional Lie algebra has a faithful finite dimensional representation. In other words, every finite dimensional Lie algebra is a matrix algebra.

This result is not true for Lie groups.