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By James Humphreys

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3 5. A Lie algebra \mathfrak{h} is isomorphic to \mathfrak{g} if there is a bijective Lie algebra homomorphism $\phi: \mathfrak{g} \rightarrow \mathfrak{h}$. Then ϕ is called an isomorphism. (Note that $\mathbb{1}$ is then an

http://www.isibang.ac.in/~statmath/conferences/gt/Lie_Algebra_Lec1.pdf

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http://math.mit.edu/classes/18.745/Notes/Lecture_11_Notes.pdf

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http://en.wikipedia.org/wiki/Lie_algebra

May 30, 2000 Abstract: These notes give an elementary introduction to Lie groups, Lie algebras, and their representations. Designed to be accessible to graduate

<http://arxiv.org/abs/math-ph/0005032>

Math 744: Lie Groups I Introduction to Lie Algebras and Representation Theory by James E. Humphreys, Springer, Graduate Texts in Mathematics,

<http://www2.math.umd.edu/~jda/744/>

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<http://www.hcm.uni-bonn.de/homepages/prof-dr-nicolas-perrin/teaching/introduction-to-lie-algebras/>

arXiv:q-alg/9605026v1 17 May 1996 q-alg/9605026 Introduction to Quantum Lie Algebras Gustav W. Delius Department of Mathematics, King s College London

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