A quick look at Lie groups

Fresh

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Today we take a quick look at the definition of a Lie group. A Lie group is a group that is simultaneously a differentiable manifold and such that the group operations are smooth. An example of a Lie group is $GL_n \mathbb{R}$, that is the set of all $n \times n$ real matrices, together with the Euclidean topology $(GL_n \mathbb{R} \sim \mathbb{R}^{n^2})$

Proof. This is a not a proof. \Box