

Poisson Lie groups and Poisson homogeneous spaces

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Resumo/Abstract:

A rich class of Poisson manifolds comes from Lie groups and especially semi-simple Lie groups. The purpose of these lectures is to give an introduction to this class of examples.

Lecture 1: Basics on Poisson Lie groups and Poisson homogeneous spaces.

Lecture 2: Real or complex semi-simple Lie groups as Poisson Lie groups.

Lecture 3. Examples of Poisson homogeneous spaces of semi-simple Poisson Lie groups.