CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, October 12
2:00 – 3:00 PM
Maria Sanford, Room 101

THE CONSTANT
OF INTEGRATION

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Abstract

We discuss the symmetries of a differential equation in the context of a senior seminar project for undergraduates. In particular, the constant of integration turns out to be a special type of symmetry sending a solution to another solution by a translation of the real line. Are there other symmetries? To answer this question we follow a method of Sophus Lie.

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