

# Affine Toda

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## 1 Introduction

These will be a set of notes dedicated to a project looking at the affine toda lattice, but in situ we will cover some theory from Lie algebras and representations. See my notes on Kac-Moody algebras and Symmetries, Fields, and Particles for additional background which I will omit here as it is covered there.

## 2 Background Theory

## 3 Affine Toda