Lagrangian Mechanics

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Abstract:

"In this talk we'll explore the principles of 'Lagrangian Mechanics', a few toy models, the deeper significance and symmetry that hides behind it. We'll follow this talk with a discussion of further examples and problems to be solved over discussion sessions."

Overview

Bibliography & Image Credits

The Theoretical Minimum: What You Need to Know to Start Doing Physics

Susskind, Leonard, and George Hrabovsky

New York: Basic Books, 2014

Classical Dynamics of Particles and Systems

Bradley W. Carroll and Jerry B. Marion

Addison Wesley Publishing Company

No-Nonsense Classical Mechanics: a Student-Friendly Introduction

Schwichtenberg, Jakob

Karlsruhe, Germany: No-Nonsense Books, 2020

Physics from Symmetry

Schwichtenberg, Jakob

Springer International Publish, 2018