

Determinism and the Mystery of the Missing Physics

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Abstract

This article surveys the difficulties in establishing determinism for classical physics in the context of several distinct foundational approaches to the discipline. It also explains that such formulations commonly appear in an incomplete condition due to a deeper problem of "missing physics."

Keywords: classical mechanics, determinism, point masses, analytical mechanics, continuum mechanics

Subjects: [Specific Sciences: Physics: Classical Physics](#)
[General Issues: Structure of Theories](#)
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