

Barrier Theory

Lisker, Roy (1996) Barrier Theory.

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Abstract

Relativity and Quantum Theory both set finite limits on certain physical quantities. For relativity it is the speed of light. For Quantum Theory it is the discrete quantity of energy which translates into a minimal uncertainty in the action. This paper investigates consequences of placing barriers on other physical quantities, notably acceleration, density and the length of a time quantum.

Keywords: Finitism in Physics; Relativity; Quantum Theory; Limitations on Observables; Time Quantum; Discrete versus Continuous Physics

Subjects: [Specific Sciences: Physics](#)

ID Code: 1306

**Deposited
By:** [Lisker, Roy](#)

**Deposited
On:** 08 August 2003