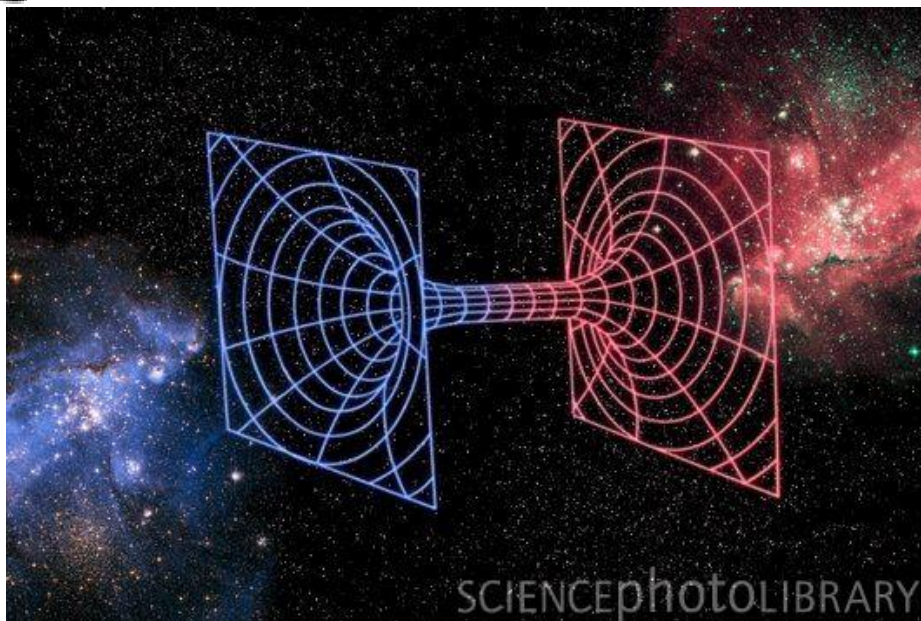




COLLOQUIUM



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Introduction to Wormholes

Abstract

Wormholes are hypothetical “shortcuts” in spacetime linking widely separated regions of a single universe, or “bridges” joining two different universes. Wormholes which could actually be crossed, known as traversable wormholes, are closely related to “time machines”. The existence of traversable wormholes is only possible if their throats are threaded by exotic (phantom-like) matter with negative pressure. Though there is still no observational evidence for wormholes, they do occur as mathematical solutions of general relativity and its generalizations.

3-4 p.m., Friday, Oct. 7th, 2011

McLane Hall 162

Refreshments will be served. All welcome!