

Theory: Beyond the Casimir Wormholes

Tuesday, September 5, 2023 2:00 PM (15 minutes)

After a brief description of what is a traversable wormhole we describe the connection between traversability and the Casimir effect. With the help of an equation of state we also discuss different form of solutions generated by the Casimir source. Yukawa deformations and the addition of an electromagnetic field to the original energy density are also discussed.

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Session Classification: Parallel Sessions