

Seminario de Geometría y Topología



Topologies on space-time and spaces of causal paths

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Resumen:

The manifold topology on space-time is in many ways the most obvious, but there are alternatives with attractive features. I will begin by briefly reviewing Zeeman's fine topology, and the path topology of Hawking-King-McCarthy, and then consider the consequences of using the path topology to induce topology on the space of causal paths instead of the manifold topology.

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