

The Time Machine Factory [unspeakable, speakable] on Time Travel - TMF2024



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Carroll black holes

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Carroll symmetries arise generically on null hypersurfaces, such as black hole event horizons or null infinity in asymptotically flat spacetimes. Carroll gravity is a gravitational theory based on Carroll symmetries. Carroll black holes are solutions of Carroll gravity that exhibit Carroll thermal properties and have a Carroll extremal surface. I review, motivate, and explain all these notions and address recent results on the Carroll Hawking effect.

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