Journeys in the maximal analytic extension of Kerr spacetime – General relativistic visualization

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The maximal analytic extension of slow Kerr spacetime contains an infinity of asymptotically flat "exterior" regions connected by a strongly curved region. General relativistic ray tracing is used to calculate videos showing the view of an observer moving through Kerr spacetime. Covering the whole maximal analytic extension requires a multitude of coordinate patches. The calculated videos give an intuitive idea of its causal structure.

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