12th MEFT Student Workshop



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Linearized General Relativity in Hyperboloidal Coordinates

Wednesday 29 January 2025 14:06 (12 minutes)

In this work, we pursue the numerical solution of the Einstein equations to study the behavior of gravitational waves at future null infinity. In this pursuit, we study the hyperboloidal coordinate system and its properties and develop a numerical framework capable of handling some variations of the wave equation in this coordinate system, obtaining promising results.

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