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Higher-spin BMS symmetries

Thursday 6 January 2022 10:00 (1 hour)

Abstract: We study higher-spin extensions of the Carrollian definition of BMS symmetry and their relation to the asymptotic kinematics of a massless scalar field near null infinity. In particular, we revisit Sachs's unitary representation of the BMS group, generalise it to any dimension, and use it to define a higher-spin algebra in Minkowski spacetime.

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