Contribution ID: 48 Type: not specified

A Yang-Mills-like formulation of General Relativity

Saturday 1 November 2025 15:20 (15 minutes)

I present a new formulation of General Relativity. The action is quadratic in the curvature and the equations of motion involve the divergence of the Riemann tensor. I show that this formulation is well posed and is equivalent to the Einstein equations. Overall, this formulation provides a surprising and peculiar new point of view on the Einstein equations.

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Session Classification: Saturday Afternoon Session 1