Frederic Schuller

Albert Einstein Institute, Max Planck Institute for Gravitational Physics, Golm

Geometrodynamics beyond Einstein

Authors: F. P. Schuller

Which alternative geometries on a smooth manifold can serve as a spacetime structure? And what are their gravitational dynamics? In this talk I will show that these questions surprisingly have rather comprehensive answers, if one employs an intriguing interplay of real algebraic geometry, convex analysis and the theory of hyperbolic polynomials.