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Axial anomaly and Unruh effect in curved spacetime

Monday 9 June 2025 13:30 (10 minutes)

I will review the hydrodynamical approach to the description of the gravitational chiral anomaly in spacetimes with a non-trivial Ricci tensor proportional to the cosmological constant (so-called Einstein manifolds) and discuss an alternative derivation of the Unruh effect in curved spacetime as a non-trivial consequence of the hydrodynamical description of the axial current.

Summary

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Session Classification: Section Talks

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