

Avenues of Quantum Field Theory in Curved Spacetime



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Chiral fermions and trace anomalies

Monday, 9 September 2019 12:00 (45 minutes)

We discuss chiral fermions in gauge (and gravitational) backgrounds, and focus on the structure of their trace anomalies.

We regulate the quantum theory with Pauli-Villars fields and do not find parity-odd terms in the trace anomalies.

The latter have been the object of recent analyses.

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