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Boundaries, Gauge Fields and Clifford Algebras

Monday 30 June 2025 10:30 (30 minutes)

The importance of Clifford Algebras in fundamental physics was one of Basil Hiley's major insights. In this talk I will discuss the geometry of the Dirac equation, and how this is made clearer by the use of Clifford Algebras. I will discuss the differences between the Dirac and Schrödinger equations, and I will suggest ways in which the links between the Dirac equation and Cohomology allow for topological nonlocality in quantum theory.

Presenter: Dr ROBSON, Calum (London School of Economics)