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The Hartle-Hawking Wave Function in Teleparallel Gravity

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We investigate the Hartle-Hawking no-boundary proposal within teleparallel gravity (TEGR) coupled to a self-interacting scalar field. Utilizing the covariant formulation where gravitational dynamics are encoded in the torsion tensor via the tetrad and an inertial spin connection, we construct the wave function of the universe via a Euclidean path integral over compact, regular tetrad fields.

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