

Isomorphisms of Spin 1/2 to SU(1, 1)-Boson: 2 Universal Enveloping and Kangni-type Transformation.

In this study we investigate the nexus between the Spin(1, 2) and the SU(1, 1)-quasi boson Lie structure and reveal related properties as well as some decomposition of spin particles. We show that the SU(1, 1)-quasi boson has a left invariant Haar measure and we ascertain its spherical Fourier transformation. We finally show that this spherical Fourier transformation of type delta is a Kangni-type transform when the Planck's constant, $\hbar = 1$.

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Session Classification: Poster Session