

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(12) 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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