## Abstract Submitted for the SES13 Meeting of The American Physical Society

Interpolating Quantizaton from Instant to Light-front using Clifford algebra MURAT AN, CHUENG JI, North Carolina State Univ — We studied applications of Clifford algebra  $Cl_{1,3}$  in interpolating quantization which is between light-front form and instant form quantization by an interpolation angle. We show that Poincare algebra is a part of Clifford algebra and spinors can be expressed as projections of Clifford numbers. This study shows how Clifford algebra is eligible to not only for standard basis of quantum but also any other basis and how ease our step with avoiding matrix and commutation relations usage.

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