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Carrollian and Galilean conformal higher-spin algebras in any dimensions

We present higher-spin algebras containing a Poincaré subalgebra and with the same set of generators as the Eastwood-Vasiliev algebras in any space-time dimension $D \ge 3$. Given these properties, they can be considered either as candidate rigid symmetries for higher-spin gauge theories in Minkowski space or as Carrollian conformal higher-spin symmetries in one less dimension. We use the same techniques to also define higher-spin algebras with the same set of generators and containing a Galilean conformal subalgebra.

Type of contribution

Contributed Talk or Poster

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