Dual κ-Minkowski Spaces and κ-Poincaré Algebras from Yang Model and their Weyl Realizations

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We consider the Yang algebras isomorphic to $\mathfrak{o}(1,5), \mathfrak{o}(2,4), \mathfrak{o}(3,3)$ algebras and construct dual κ-Minkowski and κ-Poincaré algebras in the terms of metric g. The corresponding Weyl realization is presented and coproduct, star product and twist are given in the terms of metric g. Finally, we construct reduced κ-Minkowski and κ-Poincaré algebras.