



## **GENERALIZED QUASITRIANGULAR HOPF ALGEBRAS**

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### **Abstract**

We show properties of quasitriangular Hopf algebras without the inverse condition of universal  $R$ -matrix in this paper. Also, we introduce a new definition for this situation, which generalizes the ordinary definition.

**Keywords and phrases:** quasitriangular hopf algebras, weak, universal  $R$ -matrix.

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