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On Hopf algebras of dimension $pq$. (English) Zbl 1068.16054

It is conjectured that any Hopf algebra of dimension $pq$ over the field of complex numbers, where $p$ and $q$ are distinct prime numbers, is semisimple and therefore isomorphic to a group algebra or to a dual group algebra. In this paper the authors contribute to this problem by proving the conjecture in the case where $p$ and $q$ are odd prime numbers such that $p < q \leq 2p + 1$.


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References:

[12] Ng, S.-H., Hopf algebras of dimension $\text{textit{pq}}$ · Zbl 1057.16031

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