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Title: Factorizations of Hopf quasigroups

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In this paper, we introduce the notion of factorization in the Hopf quasigroup setting, and we prove that if A and H are Hopf quasigroups such that their antipodes are isomorphisms, a Hopf quasigroup X admits a factorization as $X = AH$ iff X is isomorphic to a double cross product $A \bowtie H$ as Hopf quasigroups.

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