
Hopf25

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Parallel sessions, Forum E

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15h-15h25

Matched pairs and Yetter-Drinfeld braces

We introduce Yetter-Drinfeld braces as a generalization of cocommutative Hopf braces, and we prove that they are equivalent to braiding operations and to matched pairs of actions on a Hopf algebra.

Coquasitriangular Hopf algebras will be seen to provide examples of Yetter-Drinfeld braces, with the additional structure given by Majid's transmutation.