

1039-16-33

Florin Panaite, IMAR, Romania, **Mihai D. Staic***, Department of Mathematics, Indiana University, Rawles Hall, Bloomington, IN 47405, and **Freddy Van Oystaeyen**, University of Antwerp, Belgium. *Pseudosymmetric braidings and Yetter-Drinfeld modules.*

By a result of Pareigis it is known that the category of Yetter-Drinfeld modules over a Hopf algebra H is symmetric if and only if $H = k$. We introduce pseudosymmetric categories and prove that the Yetter-Drinfeld category over a Hopf algebra H is pseudosymmetric if and only if H is commutative and cocommutative. We also give some other examples of pseudosymmetric categories. (Received February 19, 2008)