THE STRUCTURE THEOREM OF HOM-HOPF BIMODULES AND ITS APPLICATIONS

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ABSTRACT. In this paper, we give the structure theorem of Hom-Hopf bimodules. Furthermore, we give the structure theorem of Hom-comodule algebras. Finally, we consider and study the structure theorems of Hom-Hopf bicomodules and Hom-module coalgebras.

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