On the Hennings Invariant of a Finite-Dimensional Factorizable Hopf Algebra

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The Hennings invariant of 3-manifolds is defined on the double $D(H)$ of a finite-dimensional Hopf algebra H over a field k in many cases. When H is factorizable $D(H) = H \otimes H$ as algebras. We explore the implications this equation has for computing the invariant. This work is joint with David De Wit and Louis Kauffman.