

Support and tensor product property for integrable Hopf algebras

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I'll describe the hypersurface approach to the theory of support varieties for finite dimensional Hopf algebras. The idea comes from commutative algebra going back to the work of Eisenbud, Avramov-Buchweitz and Avramov-Iyengar. It has been recently implemented in two different non-commutative contexts: finite supergroup schemes in a joint project with D. Benson, S. Iyengar and H. Krause and non-braided settings such as small quantum groups in a joint project with C. Negron.