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Benjamin Briggs* (briggs@math.utah.edu) and **Sarah Witherspoon**. *The Hochschild cohomology of twisted tensor products*.

The bicharacter twisted tensor product of graded algebras is an interesting source of quantum behaviour, often producing especially computable examples, such as the quantum complete intersections.

I will explain how to compute the Hochschild cohomology of a twisted tensor product in terms of the Hochschild cohomology of the two component algebras. This description generalises a result of Bergh and Oppermann. I'll try to give lots of examples, showing how this can be used to give simple calculations of Hochschild cohomology in cases where the computations were previous quite complicated.

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