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## **Intersections of Quadrics, Moment-angle Manifolds and Connected Sums**

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ABSTRACT

The topology certain intersections of real quadrics (now known as moment-angle manifolds) was studied by me around 1985, showing that in some cases they are diffeomorphic to a connected sum of sphere products. In the present joint work with Samuel Gitler we extend the result to other large families, proving in particular a conjecture by Bosio and Meersseman. The proof emerges from a confrontation of different and independent approaches to the subject that is also producing new results.