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Benjamin W Passer* (bpasser@math.wustl.edu). *A Noncommutative Borsuk-Ulam Theorem.*

The Borsuk-Ulam theorem in algebraic topology places restrictions on odd maps between spheres, or between spheres and Euclidean space. When the topological sphere is replaced with its corresponding algebra of functions, various formulations of the Borsuk-Ulam theorem translate into the language of C^* -algebras in different ways. I will discuss which of these formulations remain true when the algebra is theta-deformed (producing the Natsume-Olsen noncommutative spheres), with some key elements of proof. (Received September 03, 2015)