

## **Embedding tori in classical groups**

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### **Abstract:**

Embedding tori in classical groups is equivalent to embedding étale algebras with involution in simple algebras with involution. We describe an explicit obstruction to Hasse principle for embedding étale algebras into simple algebras with involution which explains earlier known counterexamples to Hasse principle. This obstruction is the Brauer-Manin obstruction to Hasse principle for the embedding functor constructed by Tingyu-Lee. (Joint work with E. Bayer-Fluckiger and Ting-Yu Lee.)