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**Addition of Brauer classes via Picard schemes.** (English)  
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Summary: We give an explicit way to construct a Brauer-Severi variety corresponding to the sum of the two Brauer classes that split by a common Galois extension. We apply the result to explicitly calculate the components of Picard schemes for stable curves with geometrically rational components.

**MSC:**

- 16K20  Finite-dimensional division rings  
- 14F22  Brauer groups of schemes  
- 14H05  Algebraic functions and function fields in algebraic geometry  
- 14H40  Jacobians, Prym varieties

**Keywords:**

Brauer-Severi varieties; addition

**References:**


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