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Blends and Alloys

R. Exel

(Submitted on 2 Apr 2012)

Given two algebras A and B, sometimes assumed to be C*-algebras, we consider the question of putting algebra or C*-algebra structures on the tensor product A\otimes B. In the C*-case, assuming B to be two-dimensonal, we characterize all possible such C*-algebra structures in terms of an action of the cyclic group Z_2. An example related to commuting squares is also discussed.

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