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Review text:

As a natural generalization of partially ordered sets and Boolean algebras, the effect algebras contain elements called “events” that may be pairwise incompatible (cf. the concept of MV lattices) and/or “not sharp” (cf. the concept of orthomodular lattices). It is believed that the effect algebras might provide “the” language for studying quantum structures and, in particular, the sets of positive operators that are densely defined on the pairs of Hilbert spaces which differ just by their inner products. The mutual physical-prediction equivalence between the latter Hilbert-space pairs forms a basic ingredient in the version of quantum mechanics nicknamed “PT-symmetric” (hence the title of this paper, cf. the review [10], with the updated volume 7 and page 1191, for more details). In the paper under review the author shows and explains, how and in which sense both the latter Hilbert-space representations may be considered equivalent also from the point of view of the (generalized) effect algebras.