

On quantum probabilities

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Abstract

There are well known mathematical models of quantum structures ([3]) including probability aspects of the theories. One of the successful ways for the theories can be in using MV-algebras ([2]). Recall that MV-algebras play in multi-valued logics the same role as Boolean algebras in two-valued logics.

The probability theory on MV-algebras was reviewed in [8] and [9]. The aim of this contribution is in using the methods of MV-algebra probability theory in some structures different from MV-algebras ([6]). We are concerned in Hilbert space logics and families of intuitionistic fuzzy events ([1], [4], [5], [7]).

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1 References

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