TWO THEOREMS CONCERNING THE COMPATIBILITY CENTER OF A LATTICE ORDERED EFFECT ALGEBRA

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In the present talk, we deal with the compatibility center $K(E)$ of a lattice ordered effect algebra E. In Theorem 1 we prove that for every $a \in K(E)$, E is isomorphic to a quotient of the direct product of intervals $[0, a]$ and $[0, a']$. In Theorem 2 we prove that every effect algebra E is a subdirect product of the family of all effect algebras of the type E/I, where I is generated by a prime ideal of $K(E)$.