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***Annihilators and deductive systems in commutative Hilbert algebras***

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**Abstract:** The properties of deductive systems in Hilbert algebras are treated. If a Hilbert algebra  $H$  considered as an ordered set is an upper semilattice then prime deductive systems coincide with meet-irreducible elements of the lattice  $DedH$  of all deductive systems on  $H$  and every maximal deductive system is prime. Complements and relative complements of  $DedH$  are characterized as the so called annihilators in  $H$ .

**Keywords:** (commutative) Hilbert algebra, deductive system (generated by a set), annihilator

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