

Algebraic semantics for t -norm based fuzzy logic

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Abstract

In this talk we present from an algebraic point of view the general framework of core and Δ -core fuzzy logics. We consider three types of completeness with respect to any semantics of linearly ordered algebras and we give useful algebraic characterizations of these completeness. Moreover we distinguish some special semantics for these logics and we survey the known completeness methods and results for prominent logics.