A Partial Result on a Problem of Jech

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In connection with a problem of von Neumann, whether the countable chain condition and the weak (ω, ω)-distributive law characterize measurable algebras among Boolean σ-algebras, I am investigating relationships between distributive laws and Boolean algebraic games. I will present a game-theoretic characterization of the weak (ω, ω)-distributive law in Boolean σ-algebras which partially answers an open question posed by Jech [1].

T. Jech: More game-theoretic properties of Boolean algebras, *Ann. Pure and Appl. Logic* , 1984, vol 26 pp. 11-29

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