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Yuri Movsisyan* (yurimovsisyan@yahoo.com), Alex Manoogian 1, 0025 Yerevan, Armenia. *Free distributive bilattices.*

It is commonly known that the free Boolean algebra on n free generators is isomorphic to the Boolean algebra of Boolean functions of n variables. The free bounded distributive lattice on n free generators is isomorphic to the bounded distributive lattice of monotone Boolean functions of n variables. In this talk we characterize finitely generated free distributive bilattices via functional representation. (Received January 30, 2016)