COUNTABLY CATEGORICAL AND AUTOSTABLE BOOLEAN ALGEBRAS WITH DISTINGUISHED IDEALS

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We study countable Boolean algebras with finitely many distinguished ideals (countable I-algebras) whose elementary theory is countably categorical, and autostable I-algebras which form their subclass. We propose a new characterization for the former class that allows to answer a series of questions about the structure of countably categorical and autostable I-algebras.

Key words and phrases: Boolean algebra, computable structure, countably categorical structure, autostability, computably categorical structure.

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