

**DECIDABLE BOOLEAN ALGEBRAS OF
CHARACTERISTIC $(1, 0, 1)$** *P. E. Alaev*

We prove that every 2-constructive Boolean algebra with elementary characteristic $(1, 0, 1)$ is strongly constructivizable (decidable). This completes the study of the relation between n -constructibility and strong constructibility for Boolean algebras of characteristics $(0, *, *)$ and $(1, *, *)$. In addition, we give a description for 3-constructive Boolean algebras by means of a Δ_2^0 -computable invariant.

Key words and phrases: Boolean algebra, algorithm, computability, constructive structure.

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Received

July 24, 2003

Translated into English:

Siberian Advances in Mathematics, V. 15, N 1, 1–10 (2005).