

## Restrictions on the degree spectra of algebraic structures

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### Abstract

We construct the degree  $b \leq 0''$  admitting no algebraic structure with degree spectrum  $\{x: x \not\leq b\}$ . Moreover, we solve Miller's problem of distinguishing incomparable degrees by the spectra of linear orderings. © Pleiades Publishing, Ltd. 2008.

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### Keywords

Computable algebraic structure, Computably enumerable set, Relative computability, Turing degree