

## $\Delta_2^0$ -copies of linear orderings

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### Abstract

It is proved that, for any  $n \in \omega$ , there exist countable linear orderings  $L_n$  whose  $\Delta_2^0$ -spectrum consists of exactly all non  $n$ -low  $\Delta_2^0$ -degrees. Properties of such orderings are examined, for  $n = 1$  and  $n = 2$ . © 2006 Springer Science+Business Media, Inc.

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### Keywords

$\Delta_2^0$ -degree,  $\Delta_2^0$ -spectrum, Countable linear ordering