

P.T. JOHNSTONE, *Notes on logic and set theory*. Cambridge: Cambridge University Press, 1987. 110 p., prijs £ 6.95 (Cambridge mathematical textbooks).

This little book, based on lectures given at the University of Cambridge, is presented as

a succinct introduction to mathematical logic, recursive functions, and set theory, suitable for all mathematics undergraduates coming to the subject for the first time. For that purpose it is too succinct. The reader is expected to have only a *nodding acquaintance* with 'naive' set theory. That will not suffice: Cantor's Diagonal Argument (among other things) is used in the text without being prove or even explicitly stated. In a classroom context a teacher can provide such missing information. Without that support a novice should turn to other texts.

A clear and succinct style of writing is a trademark of this prolific author. With this booklet he produced a handy little reference for all those basic facts that many mathematicians ought to know about logic and set theory, but once in a while tend to forget. Students may use it *after* they have completed a course on mathematical logic and set theory. For such uses: recommended.

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