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***Nowhere dense subsets and Booth's Lemma***

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**Abstract:** The following statement is proved to be independent from  $[LB + \neg CH]$ :

(\*) Let  $X$  be a Tychonoff space with  $c(X) \leq \aleph_0$  and  $\pi w(X) < \mathfrak{C}$ . Then a union of less than  $\mathfrak{C}$  of nowhere dense subsets of  $X$  is a union of not greater than  $\pi w(X)$  of nowhere dense subsets.

**Keywords:** nowhere dense subset, Booth's Lemma,  $\pi$ -weight

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