## Jan van Mill

On nowhere first-countable compact spaces with countable  $\pi$ -weight

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**Abstract:** The minimum weight of a nowhere first-countable compact space of countable  $\pi$ -weight is shown to be  $\kappa_B$ , the least cardinal  $\kappa$  for which the real line  $\mathbb{R}$  can be covered by  $\kappa$  many nowhere dense sets.

Keywords:  $\pi$ -weight; nowhere first-countable;  $\kappa_B$ ; compact space AMS Subject Classification: 54D35

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