

## COMPACTIFICATIONS OF $\omega^* \setminus \{x\}$

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ABSTRACT. Under the Continuum Hypothesis, we investigate finite compactifications of  $\omega^* \setminus \{x\}$  ( $\omega^*$  denotes the Stone-Čech remainder of the integers) and show that they are all homeomorphic to  $\omega^*$ . Interestingly,  $\omega^*$  shares this behaviour with several other well-known spaces like the Cantor set or the Double Arrow space, and also with  $S_\kappa$ , the  $\kappa$ -Parovičenko space of weight  $\kappa$ . We identify the common reason that makes these examples work and list some naturally arising questions.