

MR2668226 (2011j:03122) [03E45](#) ([03E57](#))

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Cardinal preserving elementary embeddings. (English summary)

Logic Colloquium 2007, 14–31, *Lect. Notes Log.*, 35, *Assoc. Symbol. Logic, La Jolla, CA*, 2010.

Summary: “Say that an elementary embedding $j: N \rightarrow M$ is *cardinal preserving* if $\text{CAR}^M = \text{CAR}^N = \text{CAR}$. We show that if PFA holds then there are no cardinal preserving elementary embeddings $j: M \rightarrow V$. We also show that no ultrapower embedding $j: V \rightarrow M$ induced by a set extender is cardinal preserving, and present some results on the large cardinal strength of the assumption that there is a cardinal preserving $j: V \rightarrow M$.”

{For the entire collection see [MR2723256 \(2011d:03003\)](#)}

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