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Projective well-orderings and bounded forcing axioms. (English) Zbl 1096.03062
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A classical result of Harrington states that MA is consistent with the existence of a Σ_3^1 -well-ordering of the reals. Here the author shows that in the absence of Woodin cardinals fine structural inner models for mild large cardinal hypotheses admit forcing extensions where bounded forcing axioms hold and the reals are projectively well-ordered.

Reviewer: [Martin Weese \(Potsdam\)](#)

MSC:

- 03E45 Constructibility, ordinal definability, and related notions
- 03E55 Large cardinals
- 03E35 Consistency; independence results (set theory)
- 03E15 Descriptive set theory (logic)

Keywords:

fine structure; Woodin cardinals; inner models

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