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Reese Johnston* (reesej2@uw.edu) and **Noah Schweber**. *Weak computability in the κ -Turing degrees.*

We present several set-theoretically natural examples separating weak notions of computable reduction from Turing reductions in the context of κ -recursion for inaccessible cardinals κ . For example, under sufficiently strong large-cardinal assumptions on κ , we present a natural length- κ sequence of sets that form a strictly descending sequence under many-one reducibility, despite being pairwise Turing-equivalent. (Received July 12, 2019)