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Special multipliers of k th-order linear recurrences modulo p^r ,
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Abstract

The author has previously generalized the concept of a multiplier of a second-order linear recurrence modulo p^r , where p is an odd prime and r is a positive integer, to that of a special multiplier of a second-order linear recurrence modulo p^r . In this paper, we will extend these results to show that infinitely many k th-order linear recurrences have special multipliers modulo p^r , where $k \geq 2$ and p is a prime, not necessarily odd.