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Title: On certain arithmetic properties of Stern polynomials

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We prove several theorems concerning arithmetic properties of Stern polynomials defined in the following way: $B_0(t) = 0$, $B_1(t) = 1$, $B_{2n}(t) = tB_n(t)$, and $B_{2n+1}(t) = B_n(t) + B_{n+1}(t)$. We study also the sequence $e(n) = \deg_t B_n(t)$ $n = 1, 2, \dots$, which is of independent interests.

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