Title: Two results on Beurling generalized numbers

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A sequence of Beurling generalized primes (g-primes) is an unbounded sequence of real numbers $\mathcal{P} = \{p_i\}$ satisfying $1 \leq p_1 \leq p_2 \leq \ldots$. The multiplicative semigroup generated by $\mathcal{P}$ along with 1 is designated as the corresponding collection of g-integers $\mathcal{N}$. Here we give a brief survey of Beurling numbers and then describe two achievements of recent years: the L^2 prime number theorem of Kahane and the oscillation result of Diamond, Montgomery, and Vorhauer.

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