Exposé court

39 *Extreme oscillation for Beurling integers*

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In the context of Beurling generalized numbers we will discuss some recent extremal oscillation results on the (Beurling) integer counting function if the (Beurling) prime counting function is very regular, that is $\pi(x) = \mathrm{Li}(x) + O(x\exp(-c\log^{\alpha} x))$ for some $c > 0$ and $0 < \alpha \leq 1$. The talk is based on joint research with Frederik Broucke and Jasson Vindas.