

1092-13-262

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Remarks on the growth of Numerical Semigroups.

A generalized numerical semigroup is a cofinite submonoid $S \subset \mathbb{N}^d$. The genus of S is the cardinality of \mathbb{N}^d/S . This talk will describe algorithms for generating the set of semigroups with a fixed genus and will discuss the asymptotic behavior for their growth. The talk will close with some open problems and some avenues for further research. (Received August 12, 2013)