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Irreducible numerical semigroups with arbitrary multiplicity and embedding dimension.
(English summary)


A numerical semigroup is a subset $S$ of $\mathbb{N}$ closed under addition, it contains the zero element and generates $\mathbb{Z}$ as a group (here $\mathbb{N}$ and $\mathbb{Z}$ denote the set of non-negative integers and the set of all integers, respectively). It is known that $\mathbb{N} - S$ is finite and $S$ admits a unique minimal system of generators $\{n_0 < n_1 < \cdots < n_p\}$. The greatest integer not belonging to $S$ is called the conductor of $S$. The number $n_0$ is called the multiplicity of $S$, $p + 1$ is said to be the embedding dimension of $S$. The authors give families of irreducible numerical semigroups with even conductor and with arbitrary multiplicity and embedding dimension. They also study minimal presentation for these families of numerical semigroups.

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References

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Note: This list reflects references listed in the original paper as accurately as possible with no attempt to correct errors.

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