Title: Proportionally modular numerical semigroups with embedding dimension three

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In this paper we study numerical semigroups, generated by three positive integers, that are the set of solutions of a Diophantine inequality of the form $ax \mod b \leq cx$. As a consequence, we show that, if these numerical semigroups are irreducible (this is, symmetric or pseudo-symmetric), then they are the set of solutions of a Diophantine inequality of the form $\alpha x \mod \beta \leq x$.

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