

Hypercyclic Abelian Groups of Affine Maps on \mathbb{C}^n

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Abstract. We give a characterization of hypercyclic abelian group \mathcal{G} of affine maps on \mathbb{C}^n . If \mathcal{G} is finitely generated, this characterization is explicit. We prove in particular that no abelian group generated by n affine maps on \mathbb{C}^n has a dense orbit.