1041-11-144 **Dragos Ghioca*** (dragos.ghioca@uleth.ca), 4401 University Drive, Department of Mathematics, University of Lethbridge, Lethbridge, Alberta T1K3M4, Canada. *Arithmetic dynamics.*

The classical Mordell-Lang conjecture (proven by Faltings and Vojta) describes the intersection between a finitely generated subgroup $\Gamma$ of a semiabelian variety $G$ defined over the field of complex numbers with a subvariety $V$ of $G$. We may view $\Gamma$ as the image of $0 \in G(\mathbb{C})$ under the action of a finitely generated semigroup $S$ of automorphisms of $G$ (each automorphism being a translation). We present extensions of the Mordell-Lang conjecture in which $S$ is any finitely generated semigroup of endomorphisms of $G$. (Received August 08, 2008)