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33176, and **Frank Kutzschebauch** and **Mikhail Zaidenberg**. *Flexible varieties*.

Given an affine algebraic variety  $X$  of dimension  $n \geq 2$ , we let  $SAut(X)$  denote the special automorphism group of  $X$  i.e., the subgroup of the full automorphism group  $Aut(X)$  generated by all one parameter unipotent subgroups. We show that if  $SAut(X)$  is transitive on the smooth locus  $X_{reg}$  then it is infinitely transitive on  $X_{reg}$ . In turn, the transitivity is equivalent to the flexibility of  $X$ . The latter means that for every smooth point  $x \in X_{reg}$  the tangent space  $T_x X$  is spanned by the velocity vectors at  $x$  of one parameter unipotent subgroups of  $Aut(X)$ . Usually, the flexibility is easier to verify. (Received August 30, 2010)