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**Titre :** Singularities of varieties admitting an endomorphism

**R\'esum\'e :** Let  $X$  be a normal variety such that  $K_X$  is  $\mathbb{Q}$ -Cartier, and let  $f: X \rightarrow X$  be a finite surjective morphism of degree at least two. We establish a close relation between the irreducible components of the locus of singularities that are not log-canonical and the dynamics of the endomorphism  $f$ . As a consequence we prove that if  $X$  is projective and  $f$  polarised, then  $X$  has at most log-canonical singularities.