generically finite morphism

Canonical name	GenericallyFiniteMorphism
Date of creation	2013-03-22 18:09:17
Last modified on	2013-03-22 18:09:17
Owner	neapol1s (9480)
Last modified by	neapol1s (9480)
Numerical id	6
Author	neapol1s (9480)
Entry type	Definition
Classification	msc 14A15
Defines	Generically Finite Morphism
Defines	Generically Finite

Let $f : X \to Y$ be a morphism of schemes. Assume Y is irreducible and let y be the generic point of Y. Then f is *generically finite* if $f^{-1}(y)$ is finite.