



Math for the people, by the people.

singular set

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The *singular set* of a variety  $X$  is the set of singular points. This is a proper subvariety. A subvariety  $Y$  of  $X$  is contained in the singular set if and only if its local ring  $\mathcal{O}_Y$  is not <http://planetmath.org/RegularLocalRing>regular.