



Math for the people, by the people.

saturated (set)

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If  $p : X \longrightarrow Y$  is a surjective map, we say that a subset  $C \subseteq X$  is *saturated* (with respect to  $p$ ) if  $C$  contains every set  $p^{-1}(\{y\})$  it intersects. Equivalently,  $C$  is saturated if it is a union of fibres.