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ample

Canonical name Ample

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Author archibal (4430) Entry type Definition Classification msc 14A99 An invertible sheaf \mathfrak{L} on a scheme X is called *ample* if for any coherent sheaf \mathfrak{F} , $\mathfrak{F} \otimes \mathfrak{L}^n$ is generated by global sections for sufficiently large n.

An invertible sheaf is ample if and only if \mathfrak{L}^m is very ample for some m; this is very often taken as the definition of ample, which can be surprising.