divisor

Canonical name	Divisor
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Entry type	Definition
Classification	msc 14C20
Synonym	Weil divisor
Defines	degree

A *divisor* D on a projective nonsingular curve over an algebraically closed field is a formal sum of points $D = \sum n_p p$ where only finitely many of the $n_p \in \mathbb{Z}$ are nonzero.

The *degree* of a divisor D is $\deg(D) = \sum n_p$.