



Math for the people, by the people.

## uniform module

Canonical name	UniformModule
Date of creation	2013-03-22 11:51:20
Last modified on	2013-03-22 11:51:20
Owner	antizeus (11)
Last modified by	antizeus (11)
Numerical id	8
Author	antizeus (11)
Entry type	Definition
Classification	msc 16D80
Defines	uniform submodule

A module  $M$  is said to be *uniform* if any two nonzero submodules of  $M$  must have a nonzero intersection. This is equivalent to saying that any nonzero submodule is an essential submodule.