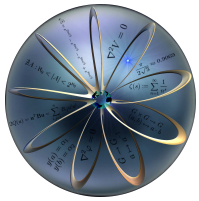

planetmath.org

Math for the people, by the people.

dense ideal

Canonical name	DenseIdeal
Date of creation	2013-03-22 16:21:23
Last modified on	2013-03-22 16:21:23
Owner	jocaps (12118)
Last modified by	jocaps (12118)
Numerical id	13
Author	jocaps (12118)
Entry type	Definition
Classification	msc 16D25
Defines	dense subset of a ring
Defines	dense subset
Defines	right dense
Defines	left dense

Given a commutative ring R, an ideal/subset $I \subset R$ is said to be iff its annihilator is $\{0\}$, in other words

$$\mathrm{Ann}(I) = \{0\}$$

We can similarly define and in the case of noncommutative rings.