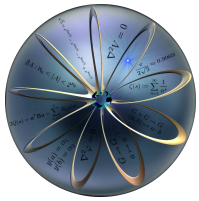

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closed sublattice

Canonical name	ClosedSublattice
Date of creation	2013-03-22 18:57:28
Last modified on	2013-03-22 18:57:28
Owner	porton (9363)
Last modified by	porton (9363)
Numerical id	5
Author	porton (9363)
Entry type	Definition
Classification	msc 06B23
Related topic	Sublattice
Related topic	Lattice

A sublattice K of a complete lattice L is a *closed sublattice* of L iff K contains the meet and the join of any its nonempty subset.

Examples:

Any complete sublattice is a closed sublattice.

$[0; 1]$ is a closed sublattice of $(-\infty; \infty)$.

The set of rational numbers is not a closed sublattice of the set of real numbers.