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exact (differential form)

Canonical name	ExactdifferentialForm
Date of creation	2013-03-22 13:12:24
Last modified on	2013-03-22 13:12:24
Owner	bwebste (988)
Last modified by	bwebste (988)
Numerical id	4
Author	bwebste (988)
Entry type	Definition
Classification	msc 53-00
Synonym	exact form
Synonym	exact differential form
Related topic	PoincareLemma
Related topic	TotalDifferential

A differential form η is called exact if there exists another form ξ such that $d\xi = \eta$. Exact forms are always <http://planetmath.org/ClosedDifferentialFormclosed>, since $d^2 = 0$.