



Math for the people, by the people.

singular measure

Canonical name	SingularMeasure
Date of creation	2013-03-22 13:26:26
Last modified on	2013-03-22 13:26:26
Owner	Koro (127)
Last modified by	Koro (127)
Numerical id	7
Author	Koro (127)
Entry type	Definition
Classification	msc 28A12
Defines	singular

Two measures μ and ν in a measurable space (Ω, \mathcal{A}) are called *singular* if there exist two disjoint sets A and B in \mathcal{A} such that $A \cup B = \Omega$ and $\mu(B) = \nu(A) = 0$. This is denoted by $\mu \perp \nu$.