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graph

Canonical name Graph1

Date of creation 2013-03-22 13:13:53 Last modified on 2013-03-22 13:13:53

Owner Koro (127) Last modified by Koro (127)

Numerical id 12

Author Koro (127)
Entry type Definition
Classification msc 03E20
Synonym function graph

Related topic ClosedGraphTheorem

The graph of a function $f:X\to Y$ is the subset of $X\times Y$ given by $\{(x,f(x)):x\in X\}.$