



planetmath.org

Math for the people, by the people.

cut-vertex

Canonical name	Cutvertex
Date of creation	2013-03-22 12:31:38
Last modified on	2013-03-22 12:31:38
Owner	yark (2760)
Last modified by	yark (2760)
Numerical id	6
Author	yark (2760)
Entry type	Definition
Classification	msc 05C40
Synonym	cutvertex
Synonym	cut vertex
Related topic	Bridge
Related topic	ConnectedGraph
Related topic	Block

A *cut-vertex* of a graph is a vertex whose deletion increases the number of components of the graph. The edge analogue of a cut-vertex is a bridge.