Towards a measure of vulnerability; The tenacity of a graph

DARA MOAIZZAMI

Department of Engineering Science,
Faculty of Engineering
University of Tehran
DMoazami@ut.ac.ir

Abstract.

If we think of the graph as modeling a network, the vulnerability measures the resistance of the network to disruption of operation after the failure of certain stations or communication links. Many graph theoretical parameters have been used to describe the vulnerability of communication networks, including connectivity, integrity, toughness, binding number, tenacity and ...

In this paper we discuss tenacity and its properties in vulnerability calculation.

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