Forschungspraxis

Improving network availability- a min cut set approach

A cut set is a set of components that, by failing, causes the system to fail. A cut set is minimal if it cannot be reduced without losing its status as a cut set.

In this work, we aim to improve network availability based on the mincutsets. We employ graph coloring methods to improve the availability of mincutsets.

Prerequisites

Mandatory: Python
Communication Network Reliability course, and Integer Linear Programming.

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