Network Resilience of Urban Railway Systems

Draft Plans

To build model and develop tools for resilience evaluation of urban railway systems, using Hong Kong Mass Transit Railway as a case study.

Network Generation (Task 1)

Inputs:

* Existing network
* Network change plans (attack, disruptions, etc.)

Outputs:

* New network

Network Assignment (Done)

Inputs:

* Network
* Demand
* Operation plans

Outputs:

* Link Load

Indicator Calculation (Task 2)

* Network physical characteristics (centrality, directness, etc.)
* Network resilience measures