Tolyzer Home About

## **Network Information & Vizualization**

## **Network Properties**

 Total Nodes:
 505.0

 Total Edges:
 2316.0

 Diameter:
 5.0

 Density:
 0.018

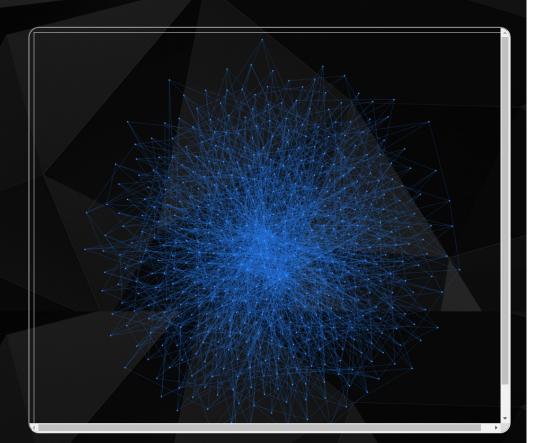
 Average Degree:
 4.586

 Characteristic Path Length:
 2.91

### **Tolerance**

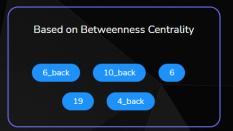
4.0%

Failure 16.6%



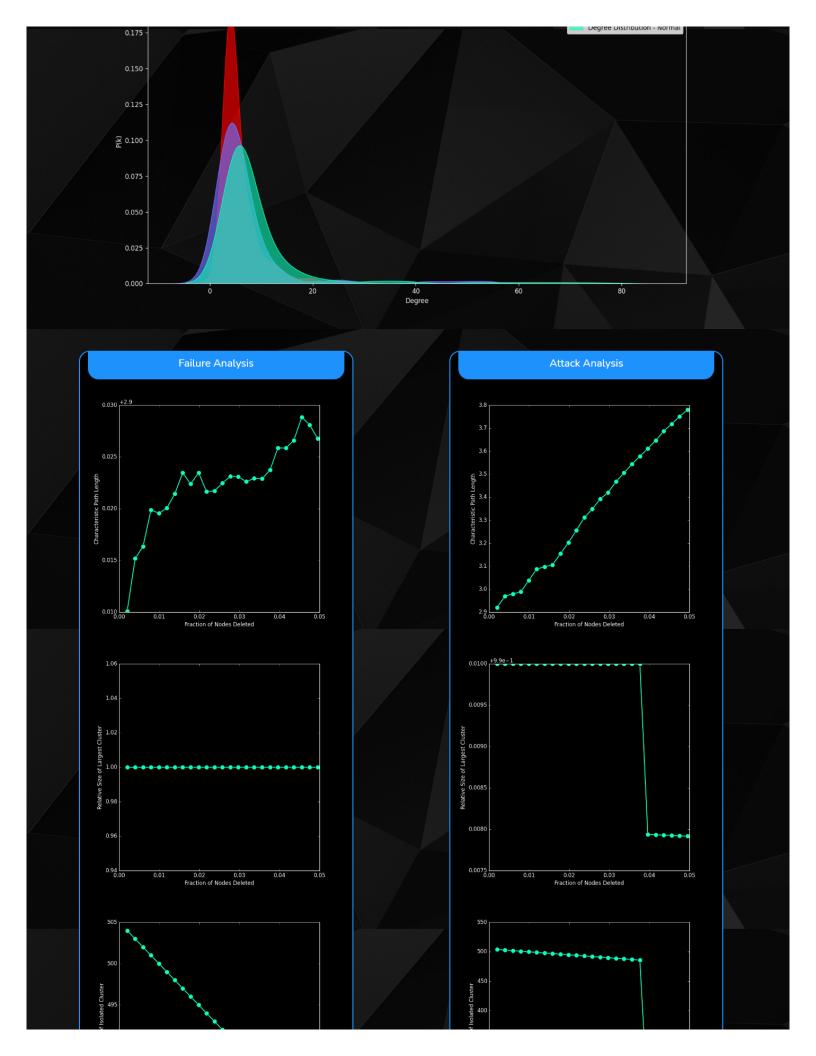
## **Most Crucial Nodes**

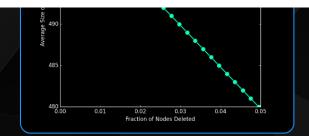


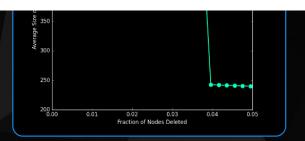


## **Error & Attack Tolerance Analysis**

Degree Distribution - Attack vs Failure vs Normal







# **Recommended Optimized Network**

We already know the crucial nodes based on their degree and Betweenness Centrality. Any damage to these nodes either by error or attack will result in damage to the whole network. To save ourselves from such situations, we can take backups of these nodes. This will increase the tolerance of the network.

You can download the updated network file from below.

**Download Recommended Network**