

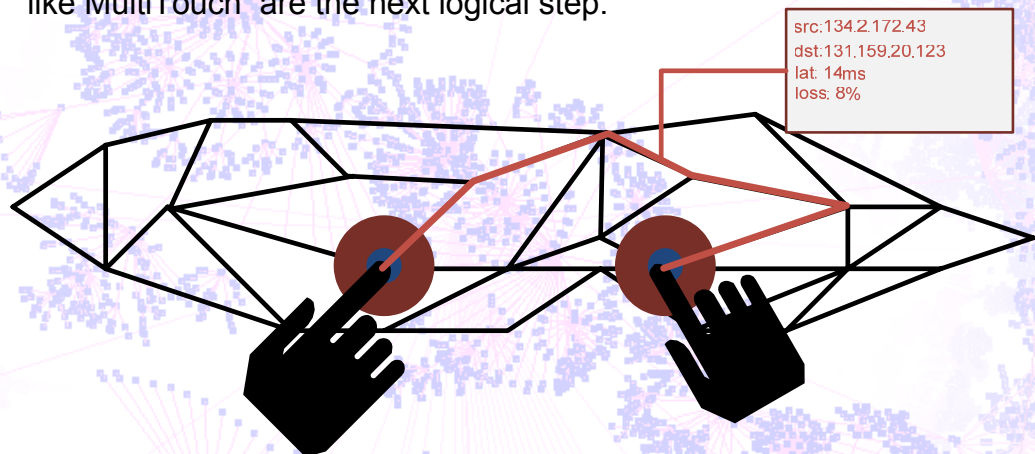


Interactive Network Visualization goes MultiTouch

Motivation

Huge networks like the Internet are best visualized in an interactive way. This allows dynamic change of viewpoints, scale and/ or highlighting. Nowadays, MultiTouch interfaces are integrated in more and more devices ranging from smartphones to high resolution TV screens. This type of interface provides a natural way of interacting with the computer.

Combining interactive network visualization with new input methods like MultiTouch are the next logical step.



Topic

This thesis is about the design and implementation of a interactive network visualization with a MultiTouch-enabled device. The resulting GUI should allow the usage of basic MultiTouch gestures like zoom, rotation, placing marks, etc.

Requirements

- Explorative nature
- Programming skills (e.g. C/C++ or Python)
- Advanced knowledge on computer networks
- Experience in system programming

Keywords

Visualization, graph representation, GUI design, Multitouch

