

Abstract Submitted
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Interactive Network Exploration using Shortest-Path-Tree Tomography CHRISTIAN THIEMANN, DIRK BROCKMANN, Northwestern University — The shortest-path tree of a node contains information on the whole network as observed from a specific node, thus combining local and global information in a two- dimensionally embeddable sub-network. We developed new visualization software that reduces a complex network to its nodes' shortest-path trees and allows for interactive exploration of this network in a structured way. In this talk I will present various example networks and also briefly talk about off-spring projects that have been sparked by looking at networks in this way, including a simplified view on disease spreading on networks.

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