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Communicability-derived layout and community detection in complex networks

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Abstract
This paper describes the use of the communicability measure for the achievement of layouts and community detection in complex networks.

Keywords
Complex networks, communicability, community detection, layout algorithms, interactive visualization

Introduction

Related work

The communicability framework

Layouts

Community detection

Results

An interactive interface

Use cases

Conclusions and further work

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Website: http://www.sunrise-setting.co.uk

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