

PRESENTATION OUTLINE: Parallel Betweenness Centrality Measurement in Large-Scale Social Networks

John Doe
Geoffrey Foster
School of Computer Science
Carleton University
Ottawa, Canada K1S 5B6
gfoster@scs.carleton.ca
<http://g-0ff.net/school/comp5704>

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1 Social Network Analysis

- What is it?
- What can be measured/why?

2 Betweenness Centrality

- What is it?
- What is it useful for?
- Sequential algorithm overview

3 Parallel Betweenness Centrality

- Current Algorithms
- Limitations of current algorithms

4 Data set

- Overview of data used in other algorithms
- Overview of my data set

5 Parallel Approximated Betweenness Centrality

- Algorithm
- Performance