

Resource Summary Report

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Small-world Network Analysis and Partitioning

RRID:SCR_013662

Type: Tool

Proper Citation

Small-world Network Analysis and Partitioning (RRID:SCR_013662)

Resource Information

URL: <http://snap-graph.sourceforge.net>

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Description: SNAP (Small-world Network Analysis and Partitioning) is an extensible parallel framework for exploratory analysis and partitioning of large-scale networks. SNAP is implemented in C, uses OpenMP primitives for parallelization, and targets sequential, multicore, and symmetric multiprocessor platforms. Our intent with SNAP is to provide a simple and intuitive interface for network analysis and application design, hiding the parallel programming complexity from the user. In addition to path-based, centrality, and community identification queries on large-scale graphs, we support commonly-used preprocessing kernels and quantitative measures that help understand the global network topology. The latest version of SNAP (0.4) was released in August 2010. Sponsors: This work was supported in part by NSF Grants CAREER CCF-0611589, NSF DBI-0420513, ITR EF/BIO 03-31654, IBM Faculty Fellowship and Microsoft Research grants, NASA grant NP-2005-07-375-HQ, and DARPA Contract NBCH30390004. Keywords: network, analysis, software, graph, traversal, betweenness centrality, community, identification, multicore,

Synonyms: SNAP

Resource Type: software resource, software application, data processing software

Resource Name: Small-world Network Analysis and Partitioning

Resource ID: SCR_013662

Alternate IDs: nif-0000-00425

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Ratings and Alerts

No rating or validation information has been found for Small-world Network Analysis and Partitioning.

No alerts have been found for Small-world Network Analysis and Partitioning.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.