

NetworkX News

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What's new in NX-0.24?

Release date: 20 August 2005

Bug fixes

- Update of dijkstra algorithm code
- dfs_successor now calls proper search method
- Changed to list comprehension in DiGraph.reverse() for python2.3 compatibility
- Barabasi-Albert graph generator fixed
- Attempt to add self loop should add node even if parallel edges not allowed

What's new in NX-0.23?

Release date: 14 July 2005

The NetworkX web locations have changed:

<https://networkx.lanl.gov/> - main documentation site <https://networkx.lanl.gov/svn> - subversion
source code repository <https://networkx.lanl.gov/wiki> - bug tracking and info

Important Change

The naming conventions in NetworkX have changed. The package name “NX” is now “networkx”.

The suggested ways to import the NetworkX package are

- import networkx
- import networkx as NX
- from networkx import *

New features

- DiGraph reverse
- **Graph generators** – watts_strogatz_graph now does rewiring method
– old watts_strogatz_graph->newman_watts_strogatz_graph

Examples

Documentation

- Changed to reflect NX-networkx change
- main site is now <https://networkx.lanl.gov/>

Bug fixes

- Fixed logic in io.py for reading DiGraphs.
- Path based centrality measures (betweenness, closeness) modified so they work on graphs that are not connected and produce the same result as if each connected component were considered separately.

What's new in NX-0.22?

Release date: 17 June 2005

New features

- Topological sort, testing for directed acyclic graphs (DAGs)
- Dijkstra's algorithm for shortest paths in weighted graphs
- Multidimensional layout with dim=n for drawing
- 3d rendering demonstration with vtk
- **Graph generators** – random_powerlaw_tree
– dorogovtsev_goltsev_mendes_graph

Examples

- Kevin Bacon movie actor graph: Examples/kevin_bacon.py
- Compute eigenvalues of graph Laplacian: Examples/eigenvalues.py
- Atlas of small graphs: Examples/atlas.py

Documentation

- Rewrite of setup scripts to install documentation and tests in documentation directory specified

Bug fixes

- Handle calls to edges() with non-node, non-iterable items.
- truncated_tetrahedral_graph was just plain wrong
- Speedup of betweenness_centrality code
- bfs_path_length now returns correct lengths
- Catch error if target of search not in connected component of source
- Code cleanup to label internal functions with _name
- Changed import statement lines to always use "import NX" to protect name-spaces
- Other minor bug-fixes and testing added