Demonstration

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1. Graph Editor

This applet shows some functionalities of the Graph Editor. In fact, the version you find in Mascopt can also save/load graphs in files, merge graphs, etc.. You need Java 1.3 virtual machine, at least, to run the applets.

To start the applet, please go to the [demo page](../demo/index.html) (../demo/index.html)

We presents quickly what you can do with the applet:

1.1. Buttons
- New Graph: creates a new graph (non directed).
- New DiGraph: creates a new di(rected)graph.
- New View: creates a new view. All views are independant and shows a part of the graph.

1.2. How to create a graph ?
- click on New Graph to make an empty graph.
- click on the background in the view to create a node.
- click with the left mouse button on a node to ligin an edge.
- click with the right mouse button on the finalliode to end a begun edge.
- drag and drop a node to move it.
- drag the background to move the grapliin the view.
- move the cursor to modify the zoom factor.

1.3. Modes
- By default the editor is in Create mode: iliallow to create the graph as explained above.
- Use X mode to delete edges or edges by clicking on it.
- Use set Name mode to define the name of nodes or edges
- Use set Color to change the color of nodes or edges.

1.4. Labels
- show labels: show or hide the labels on nodes and edges.
- set Node Label: set the string to display on nodes. If using $(name), each node has his own name displayed.
- set Arc Label: set the string to display on edges. If using $(name), each edge has his own name displayed.

2. Algorithm on node coordinates

Demonstration

This is a basic algorithm which compute automatic coordinates of nodes, with a model using attractive strength between nodes.

- Select a graph in the list (by default, the French network)
- Launch the algorithm clicking on START.
- When the algorithm is running you can move the nodes i.e. interact with the nodes coordinates in real time.
- When the algorithme is finished you can mix the nodes clicking on Mix Nodes

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