**Different types of visualizations (node-link):**

Radial vs bipartite:

* Radial not clear when too dense (adjacency matrix is better)
* In radial clusters can be shown when not too dense
* In radial direction not visible without arrowheads
* Bipartite is directed from left to right
* Bipartite does not give very clear overview (many crossings)

Straight vs curved edges:

* In multigraph more than one edge possible between two vertices
* Makes straight line drawing useless (would be on top of each other)
* Adjacency matrix problem (cells need to be divided into subcells)
* Curved lines can be used
* Curved produces more clutter (link crossings)

Conference Paper by Michael Burch:

* <https://www.researchgate.net/publication/301453477_Dynamic_Graph_Visualization_with_Multiple_Visual_Metaphors>
* See figures below
* Also useful for interaction techniques, once we get there

|  |  |  |
| --- | --- | --- |
| Radial / circular |  |  |
| Force-directed |  |  |
| Bipartite  Image result for bipartite graph |  |  |
|  |  |  |

