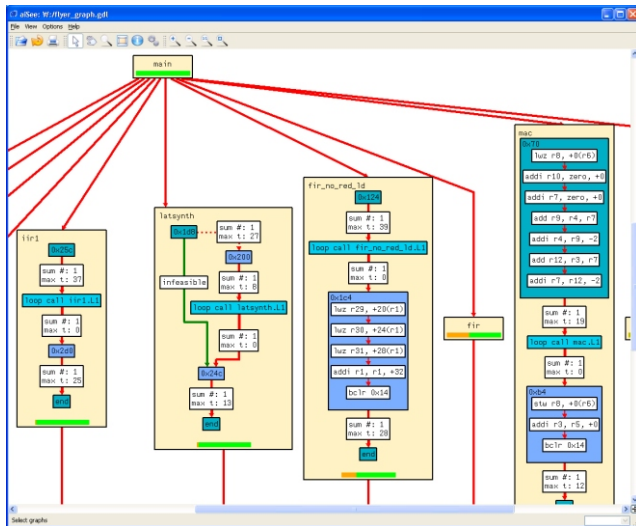


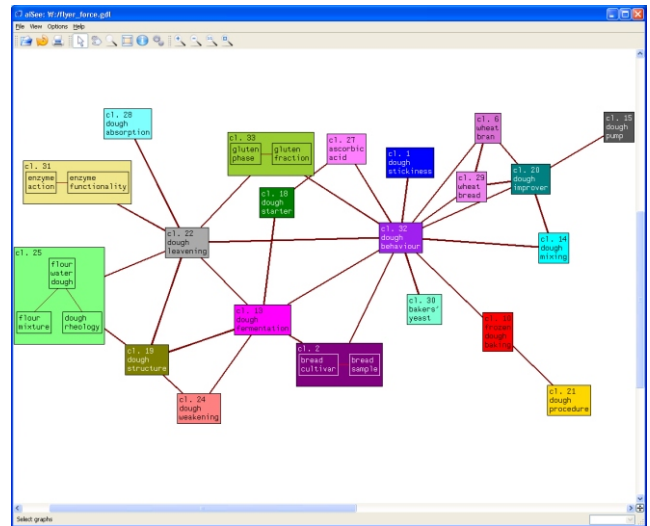
# aiSee – Graph Visualization

## A picture is worth a thousand words.

aiSee automatically calculates a customizable layout of graphs specified in GDL (graph description language). This layout is then displayed, and can be interactively explored, printed, or exported to various formats.



Hierarchical layout



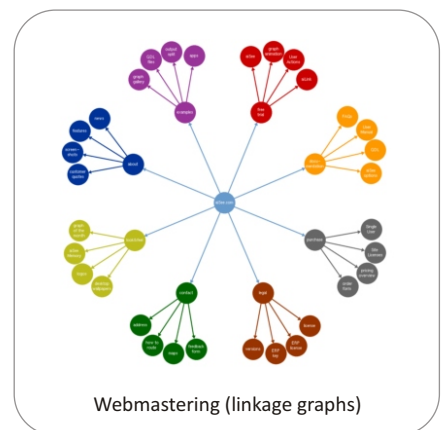
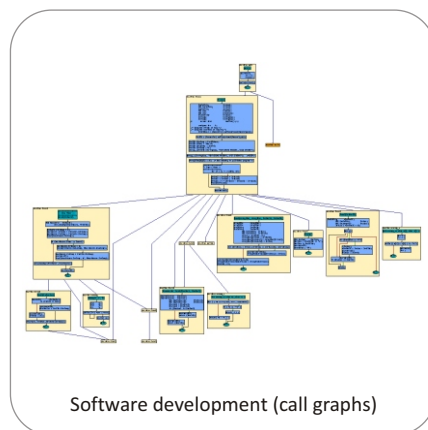
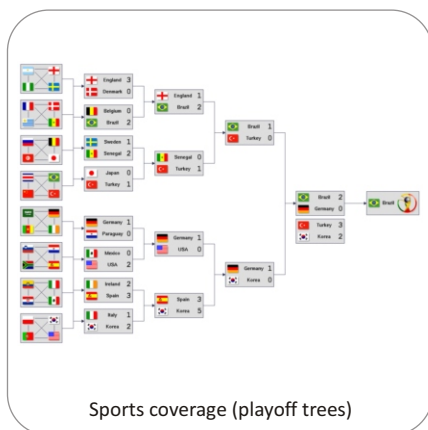
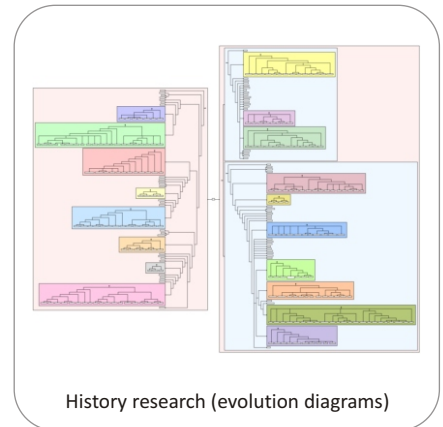
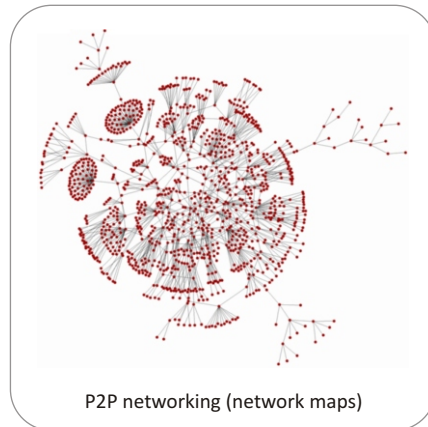
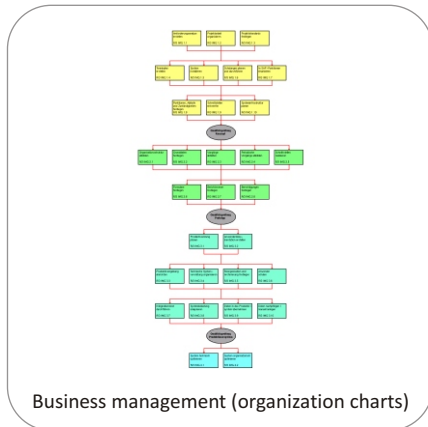
Force-directed layout

### Features:

- **Excellent readability** of calculated layouts:
  - Nodes are placed in a hierarchy of layers.
  - Nodes are positioned without overlapping.
  - Crossing of lines is reduced/avoided.
  - Edges are kept short and straight.
- **Fast layout calculation** for huge graphs. For example, aiSee needs less than two seconds to render all the graphs shown on this handout (233 MHz PC).
- **15 basic layout methods**, including:
  - Force-directed layout,
  - Depth-first-search layout,
  - Specialized algorithm for layout of trees.
- **Zooming** of graphs and easy navigation.
- **Easy printing**.
- Export of graphs to various formats, including PNG, SVG, HTML (image maps), and **colored PostScript** (on multiple pages for large graphs).
- **Graph nesting** and sophisticated graph hierarchy operations, including:
  - Folding, unfolding, wrapping and clustering of complete subgraphs,
  - Folding of user-defined graph regions,
  - Exclusion of subgraphs or graph regions,
  - Hiding of edges.
- Support for multi-line **edge labels**.
- User-defined **bitmap icons**, commands, and pieces of additional information can be associated with nodes.
- **Animation** of series of graphs and smooth transitions.
- GDL provides for very natural textual data representation, and is also **easy to learn**.
- Human-readable GDL specifications can be automatically produced from all programming languages, enabling **seamless integration** of aiSee into existing tool-chains.

## Why do you need aiSee?

When working with any kind of complex relational data, visualization provides for **much better and faster understanding**. **aiSee** was developed to visualize the internal data structures typically found in compilers. Today it is widely used in many different areas, from genealogy to biotechnology to business management, from software development to hardware design, to name only a few. That's because with **aiSee**, users can choose from a variety of layout algorithms and customize almost every aspect of their drawings:



Thousands of users world-wide have come to rely on the power and versatility of **aiSee**. Many companies and academic organizations have incorporated **aiSee** or its layout engine in applications of their own. There are also dozens of applications offering GDL interfaces freely available on the Web.

With **aiSee**, you'll not only enjoy award-winning layout readability – you'll also find a rich set of built-in features at your fingertips. Stepless zooming. Easy navigation. Subgraph nesting. Graph animation. Export of graphs to various formats. And much more. Don't take our word for it – download a free trial copy of **aiSee** from [www.aiSee.com](http://www.aiSee.com) and see for yourself why a picture is worth a thousand words.

## Availability

**aiSee** runs under Windows, Linux, and Mac OS X. It is available free of charge for non-commercial usage. A free trial version is available from [www.aiSee.com](http://www.aiSee.com)