

INKSCAPE

Draw Freely.

Donna Benjamin

Linux Users of Victoria May 2008

#### ... in brief

- Inkscape is an Open Source scalable vector graphic (SVG) editor. Forked from SodiPodi in 2003, Version 0.46 was released in late March 2008. Despite the low version number Inkscape is strong, stable, intuitive and ready for Prime Time. Donna will showcase Inkscape art and practical applications, demonstrate Vector Drawing techniques, and provide pointers on where to go to learn more.
- Donna Benjamin runs her own business and procrastinates daily by exploring new features and bugs of the bleeding edge version of Inkscape. She has managed to find legitimate uses of the software for creating web graphics, re-recreating corporate logos and creating posters and banners. Creative Contingencies does customised web application development, hosting, research and meeting facilitation. Donna is also a board member of Open Source Industry Australia and was conference director for linux.conf.au 2008.

#### Gratuitous unrelated photo



http://www.flickr.com/photos/charliebrewer/197988512/

#### This talk ...

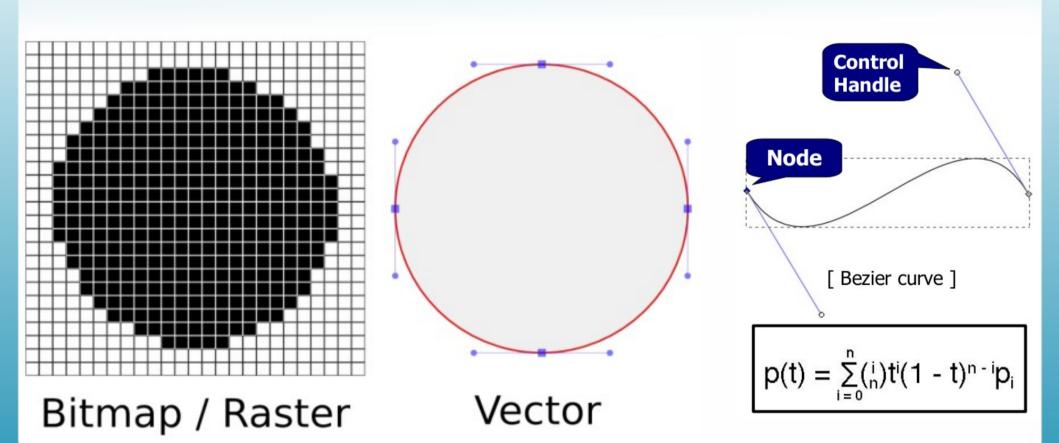
- starts with a brief description of Inkscape
  - what it is
  - what it does
  - how it does it
- and finishes off with pointers to help you do it too.

# Scalable Vector Graphics

- Native File format is W3C SVG1.1
  - \* http://www.w3.org/Graphics/SVG/
  - \* SVG is a language for describing two-dimensional graphics and graphical applications in **XML**. SVG 1.1 is a W3C Recommendation and forms the core of the current SVG developments.
- Interoperable with a range of apps, and useful modern web browsers.
  (watch out for blurs, gradients & transparency)

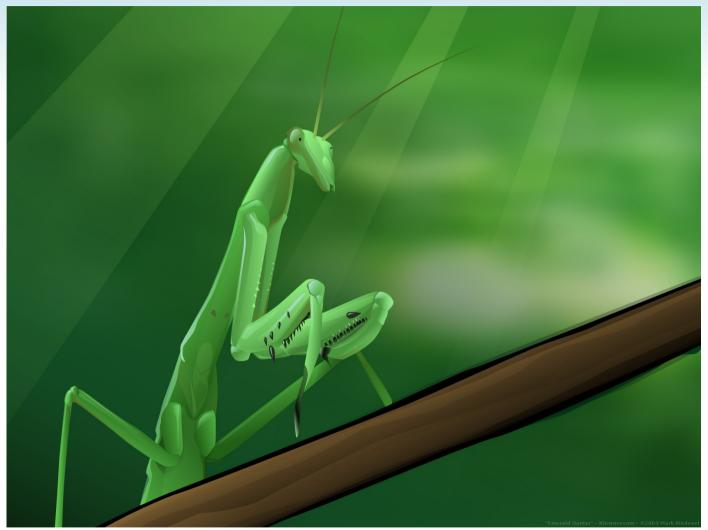


#### Raster and Vector





#### ... for art's sake

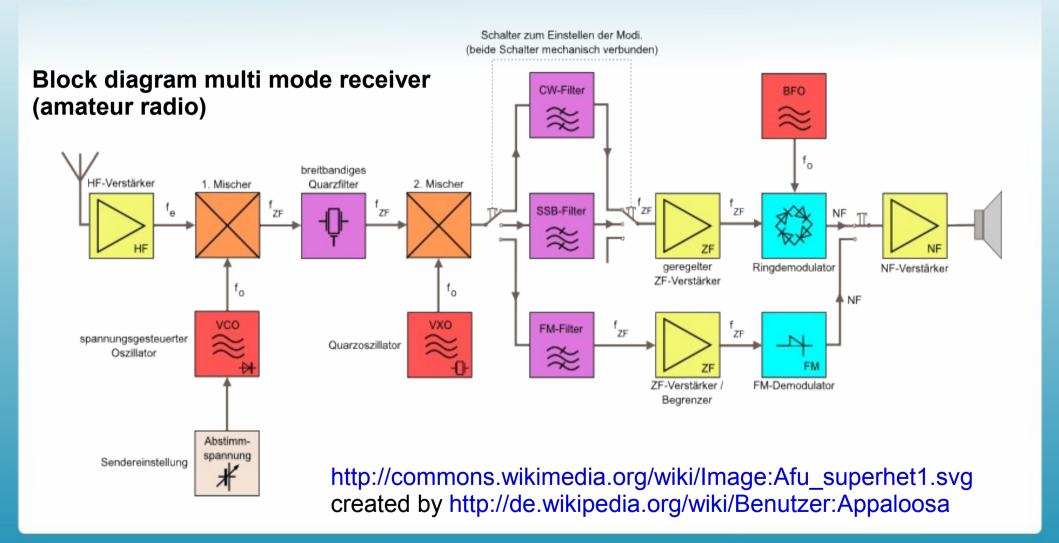


http://klowner.deviantart.com/art/Emerald-Hunter-9487349





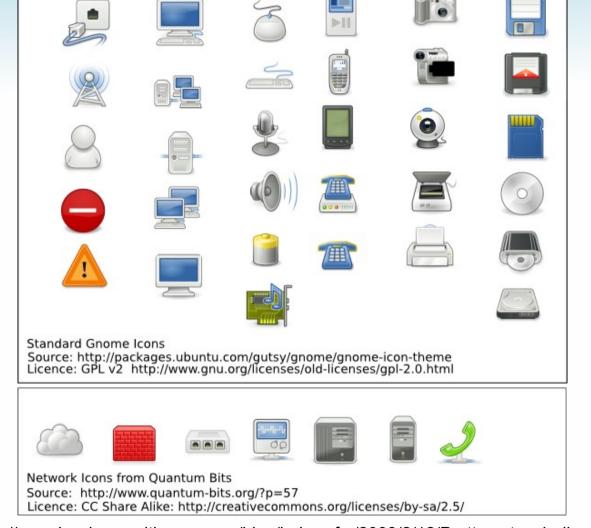
# ... for diagrams

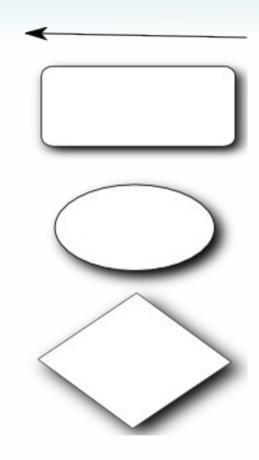






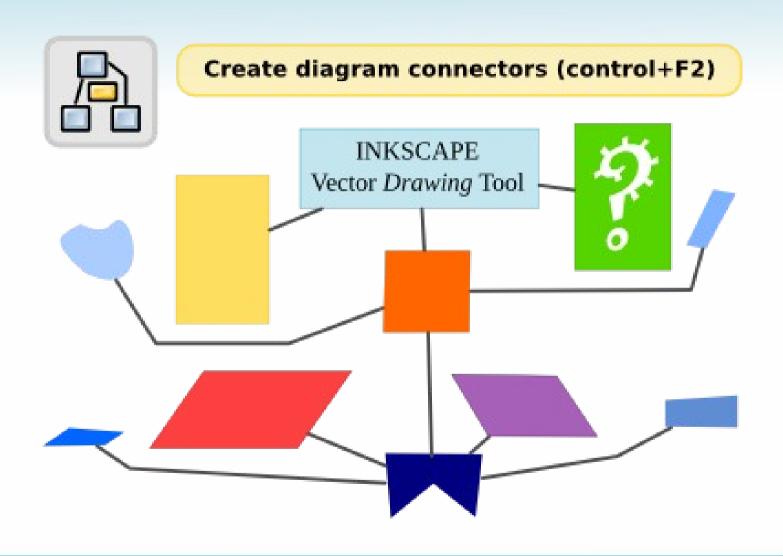
# ... for diagrams





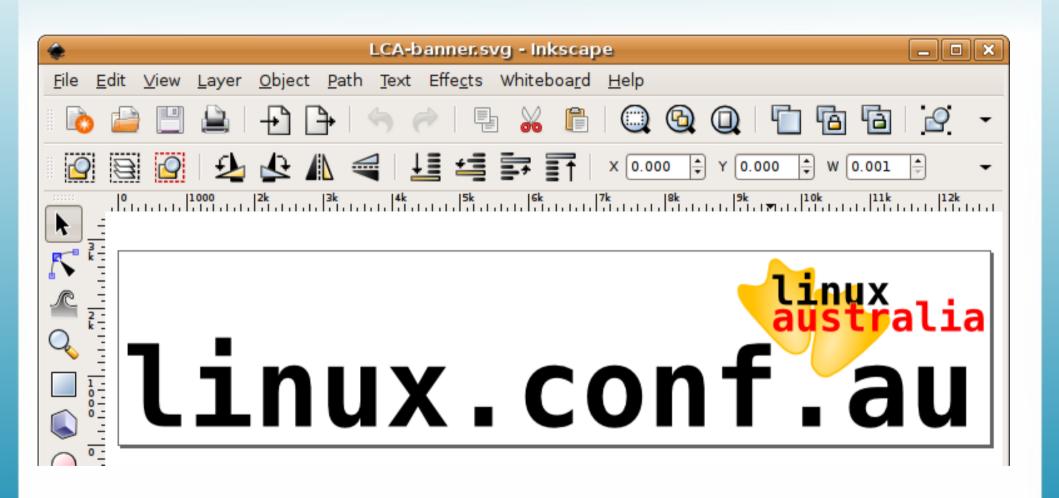
http://www.lynchconsulting.com. au/blog/index.cfm/2008/2/12/Pretty-network-diagrams-and-flow-charts-with-Open-Source-software and all the contract of the co

# ... for diagrams





# ... for signs & logos





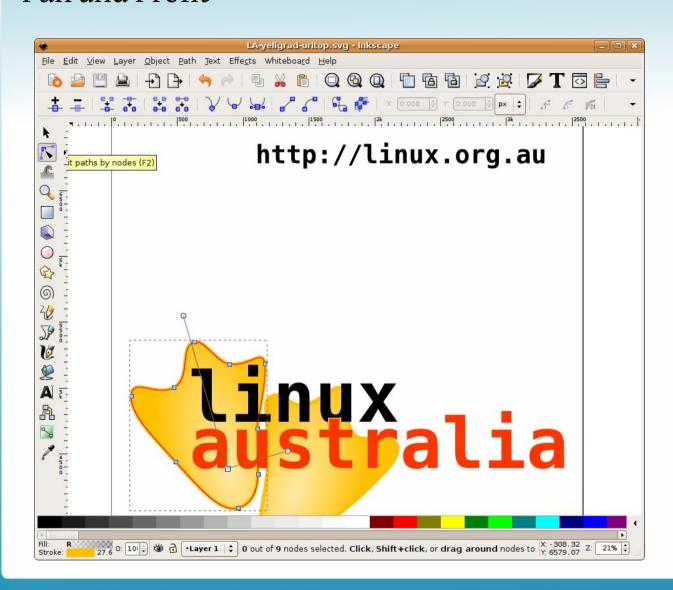
# ... for signs & logos



http://www.flickr.com/photos/chrissamuel/2222027499



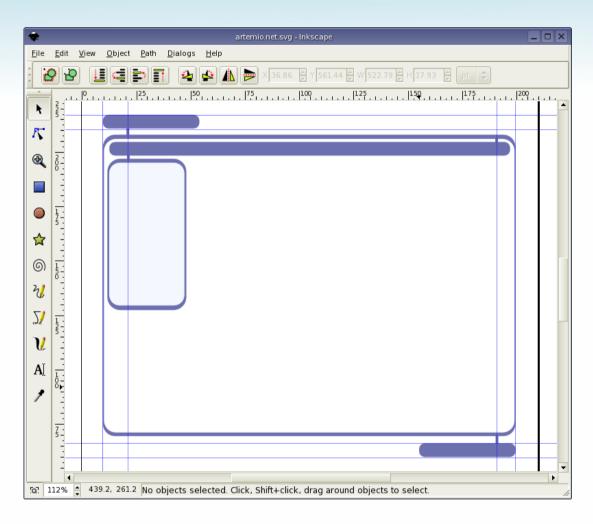
#### ... for trade banners







#### ... for websites

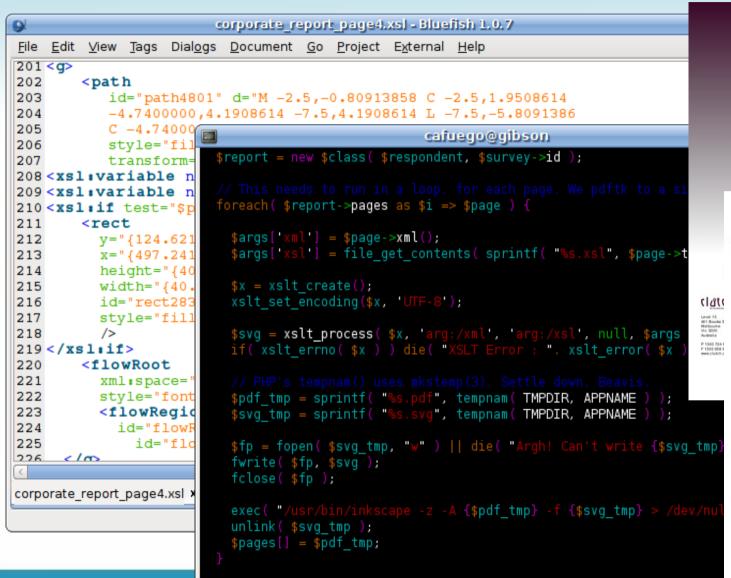


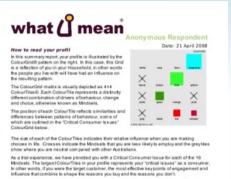
http://www.inkscape.org/showcase/web\_design/index.php?lang=en





#### ... and databases





It's these differences that make each of us uniquely different, and rather than typecast you in a "box" we believe that engaging any consumer effectively requires a true understanding of these



Invoice Date: 16 Nov. 2007 Invoice No: 30369 / 100489

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Linux Australia Inc. ABN 56 987 117 479

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This invoice has been issued as a result of

Description	0TY	Cost	Total (Inc. GST)
Professional Registration	1	\$748.00	\$748.00
		Total	\$748.00
Includes 10% Commonwealth Goods and Services Tax			\$68.00

linux.conf.au is a project of Linux Australia Inc.



www.inkscape.org

# ... for games

#### **KMahjongg**

The background was created by Eugene Trounev and the tilesets by Raquel Ravanini...

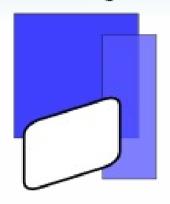
Thanks lan:)



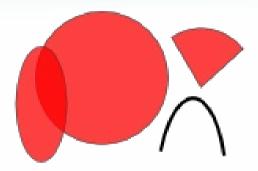


#### Basic tools

Squares & Rectangles







Stars & Polygons





Spirals



) :s

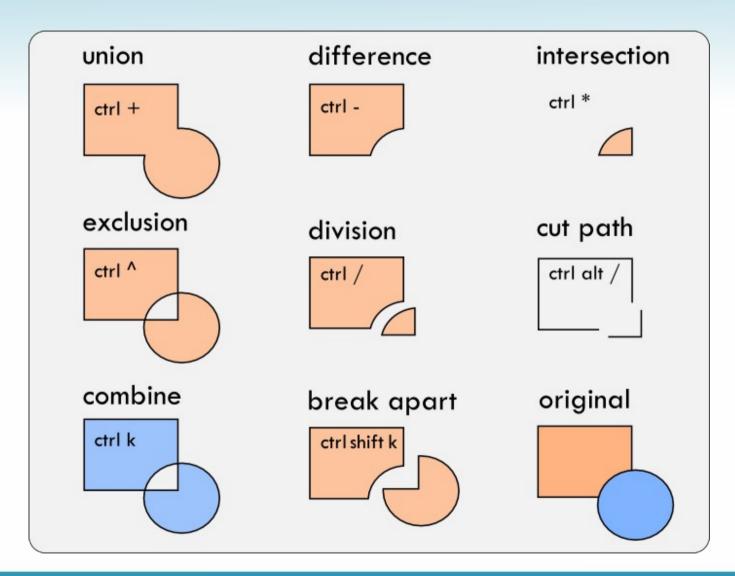


**Bezier Curves** 

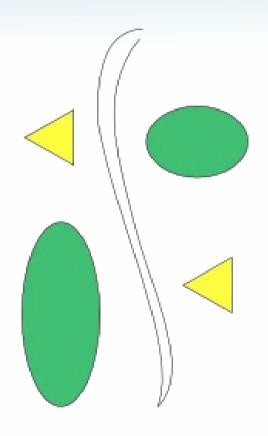
& Straight lines

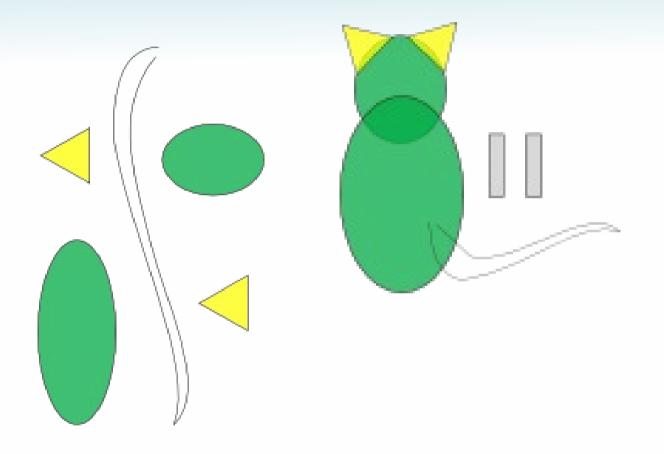


Calligraphy

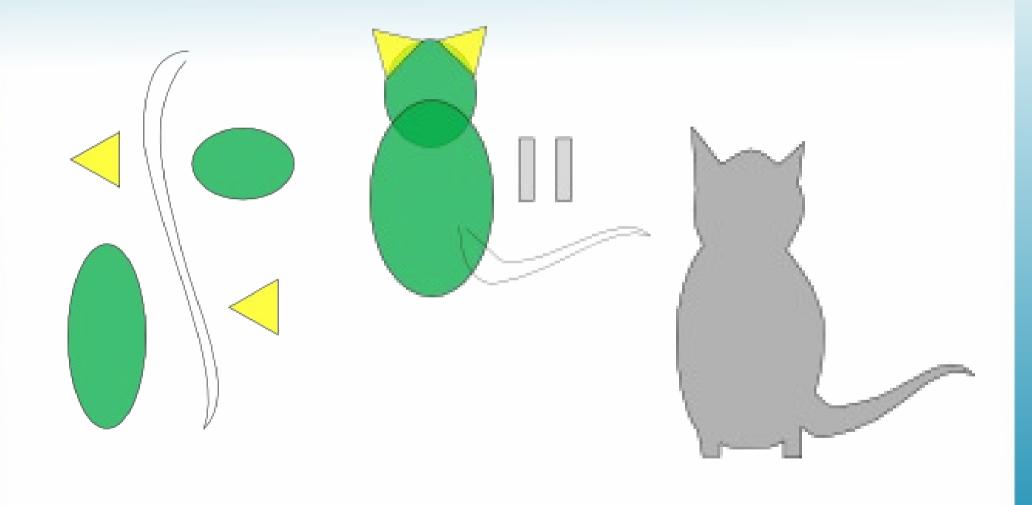






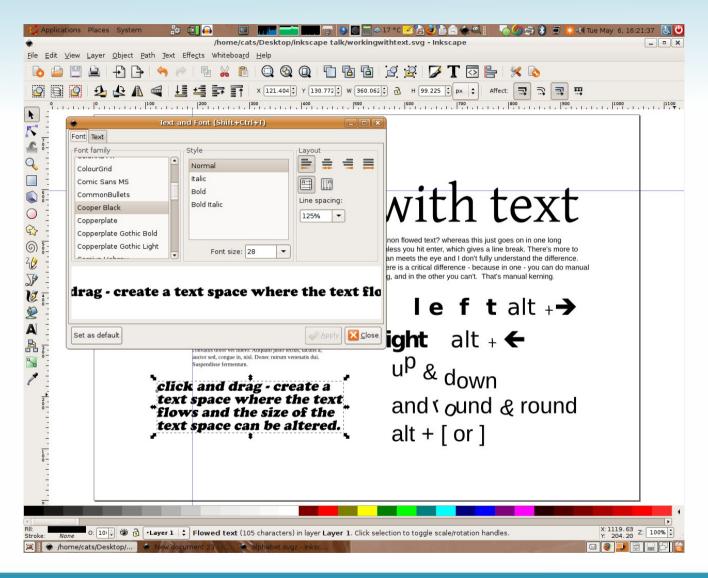








# Working with text







#### Trace bitmap

#### original



edge detection



Multiple Scans: 6

Colors

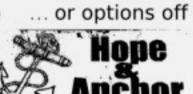


brightness cutoff



select invert image











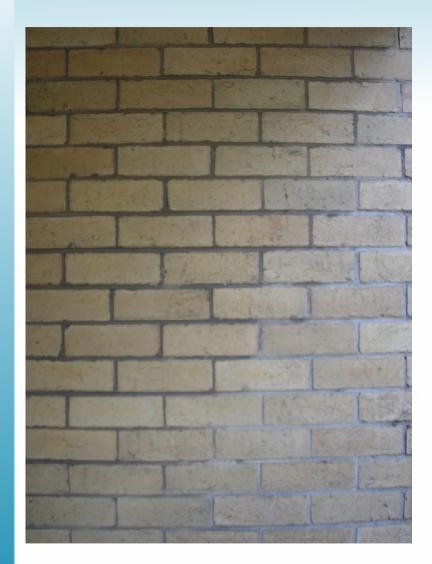


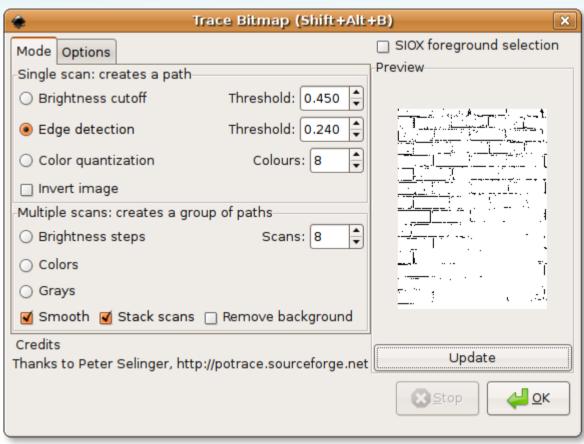
#### Trace bitmap





#### Trace bitmap





#### LUV poster

- Take photo of bricks
- Trace bitmap
- Add
  - text and rotate
  - logos
  - box
- Make the text white
- Add vector grime

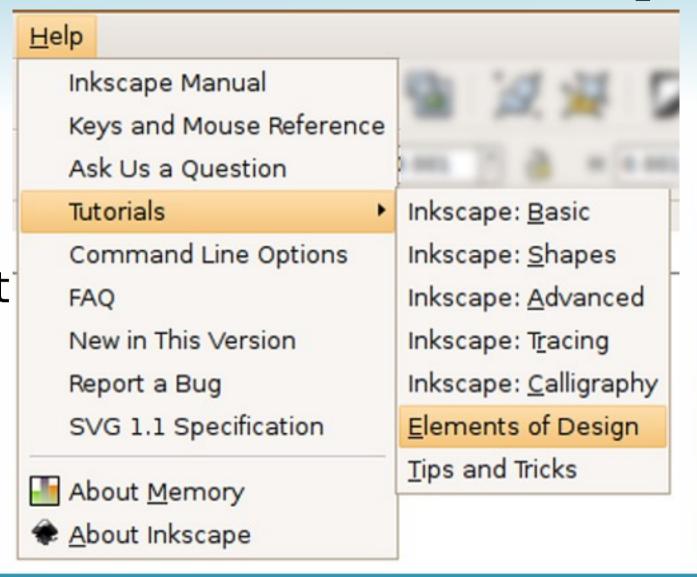


#### Clones

- You can clone anything...
- time for a live demo?
- cross fingers, hold breath

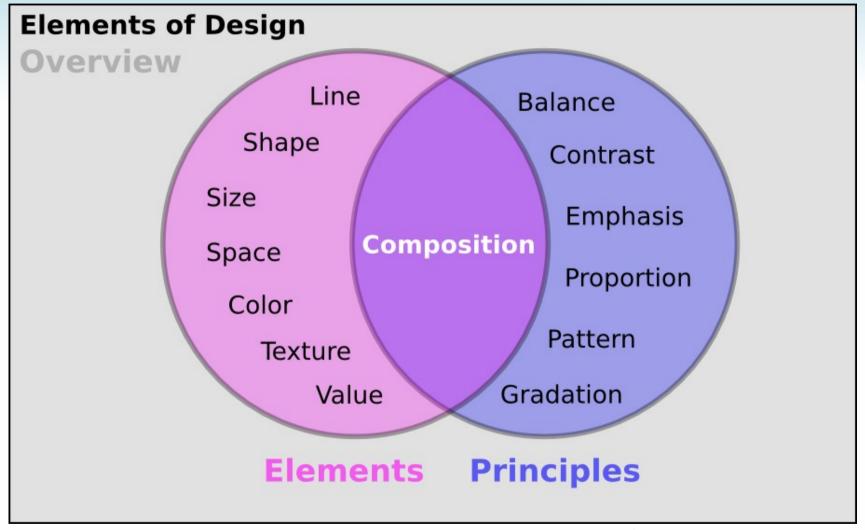
## Built in help

- There are Tutorials in the help menu.
- SVG formation
   so you
   can work
   with them
   directly.





#### Elements of design



From the Elements of Design Inkscape Tutorial





#### Refs & tutorials

#### **Basic Info (and some examples)**

http://commons.wikimedia.org/wiki/Inkscape http://en.wikipedia.org/wiki/Inkscape

#### **Techniques, Tips, Tricks & Tutorials**

http://www.ffnn.nl/pages/articles/media/inkscape-text-tricks.php

http://inkscapetutorials.wordpress.com/

http://kalaalog.com/2007/11/01/inkscape-path-operations-basic-tutorial/

http://redhathigh.pbwiki.com/Illustration+with+Inkscape

http://screencasters.heathenx.org/

#### **Tiled Clones**

http://inkscape.teekoo.com/index.php?select=bar

#### **Bezier curves**

http://raikardesigns.blogspot.com/2007/10/fascinating-bezier-curves.html http://en.wikipedia.org/wiki/B%C3%A9zier curve

#### **Network Diagrams**

http://www.lynchconsulting.com.au/blog/index.cfm/2008/2/12/Pretty-network-diagrams-and-flow-charts-with-Open-Source-software http://www.ioncannon.net/utilities/123/10-tips-for-creating-good-looking-diagrams-using-inkscape/

