Beamer and Inkscape for Topology Students

Reflect. What can make a slide talk wonderful or terrible?

Reflect. Have you tried making high-quality images of these? What has worked? What hasn't?

Reflect. What are some math objects that you frequently draw while doing research?

Try. Make a Bezier curve drawing in Inkscape.

Try. Make a figure combining segments from circles or polygons.

Try. Install the TexText and Sozi extensions for Inkscape. Type a favorite formula. Make a short presentation of a few slides.
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Resources

- Inkscape
- Beamer
- Powerpoint
- latex2png
- LaTeXit
- Sozi Extension
- Sozi Stand Alone
- Tex Text
- Desmos
- Gifsmos
- CSS Tricks

Searchable Inkscape Terms

- Bezier curves
- simplify
- combine paths
- break apart
- object to path
- trace bitmap
- group
- clip set
- align & distribute
- fill & stroke
- object to path
- caps
- dashes
- edit path by node
- delete segment
- auto-smooth node

Hazards of the Road

- irregular
  - use grids/guides
  - shape tools
  - group

- Inkscape Bugs
  - save frequently
  - restart program

- pixelation
  - trace bitmap

- Not quite
  - vertical
  - hold CTRL while dragging

- Sloppy paths
  - combine paths
  - join nodes

- nodes symmetric
  - cap and join style

- untidy collections
  - align and distribute

- view pagegrid
  - snap to grid

- Clutter
  - Object->
  - Raise to Top

- Clipping

Read 'Temptations of Beamer' by Tomofumi Yuki
perso.ens-lyon.fr/tomofumi.yuki/beamer.html