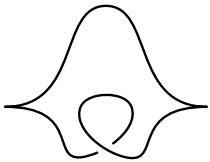# Beamer and Inkscape for Topology Students

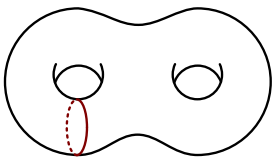**Reflect.** What can make a slide talk wonderful or terrible?

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.

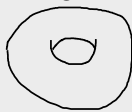# Beamer and Inkscape for Topology Students

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
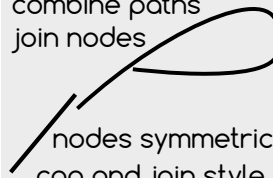
restart program

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

Clipping

Object->
Raise to Top

verbose

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Curabitur lorem risus, sagittis vitae, accumsan a, iaculis id, metus. Nam malesuada sapien eu nibh. Vestibulum viverra varius enim. Nam id neque. Morbi pulvinar nulla sit amet nisl. Nam rhoncus, lectus vel hendrerit congue, nisl lorem feugiat ante, in fermentum erat nulla tristique arcu. Integer fringilla. Quisque pretium rutrum ligula. Nullam sapien mauris, venenatis at, fermentum at, tempus eu, urna. Donec ut urna. Nam sed nisl nec elit suscipit ullamcorper. Quisque dictum quam vel neque. Quisque pretium rutrum ligula. Maecenas convallis dui. Cras ac enim vel dui vestibulum suscipit. Nunc in turpis ac lacus eleifend sagittis. Duis sem velit, ultrices et, fermentum auctor, rhoncus ut, ligula. Suspendisse potenti.Nam malesuada sapien eu nibh. Vestibulum viverra varius enim. Nam id neque. Morbi pulvinar nulla sit amet nisl. Nam rhoncus, lectus vel hendrerit congue, nisl lorem feugiat ante, in

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