

Inkscape Practical

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Inkscape short reminder

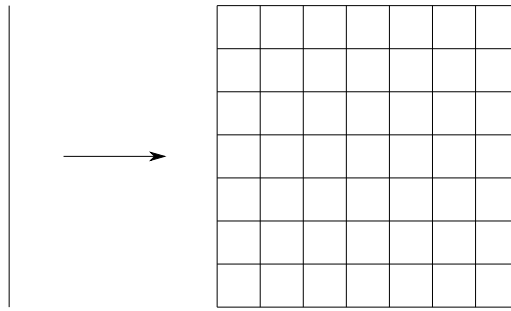
- To move the drawing:
 - The righth/bottom sliders
 - Wheel to scroll up/down, Shift + Wheel to scroll left/right
 - Third button + mouse move
- To zoom: CTRL + wheel
- To select objects: Left mouse to draw a box, SHIFT + left mouse for multiple selection
- Move objects: Maintain left mouse clicked and move the mouse
- Scale objects: Once selected, grab the handles on the bounding box with a left-click and move the mouse to scale the object
- Scale objects uniformly: Scale the object while holding the CTRL key
- Rotate objects: Once selected, left-click again on the selection to switch to rotate mode, the handles change their shape. Grab a corner handle to rotate the object.
- Force paraxial move of an object: Move the objects while holding the CTRL key.

Exercise 1: The basis

1. Move within the drawing
2. Zoom, unzoom
3. Create several objects
4. Select them
5. Scale them uniformly and not uniformly
6. Group/ungroup them
7. Move/rotate an object or a group of objects
8. Duplicate some of them
9. Modify the fill/stroke color, the stroke width

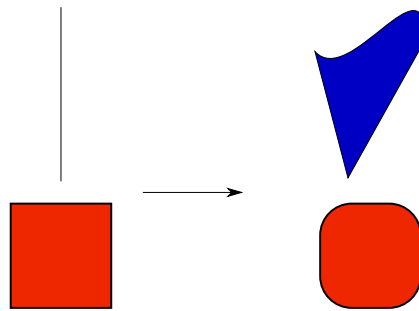
Exercise 2: Build a 8x8 grid

1. Start with one horizontal or vertical line (use the Bezier/straight pen in paraxial mode)
2. Replicate it 8 times
3. Select all of them and align them
4. Select one line and flip it with 90 degrees
5. Distribute uniformly the 8 parallel lines along the flipped line
6. Delete the flipped line
7. Select the 8 parallel lines, group them and duplicate the group
8. Flip one group with 90 degrees and center it with the other one
9. You are done !



Exercise 3: Play with nodes and tangents

1. Start with a simple line with two nodes and a square
2. Reproduce the figure below by adding new nodes and modifying nodes' position and tangent
3. Once finished, select the square and click Path → Object to Path
4. Can you modify the square in same way now ?



Exercise 4: Usage in combination with gnuplot

1. Generate a svg file with gnuplot
2. Modify it with inkscape

Exercise 5: Combine paths with boolean operations

1. Reproduce the figure below

