

Inkscape Live Effect "Ellipse from Points"

Features:

- Auto mode: 2..4 points: circle, more than 5 points: fit to an ellipse
- Circle only: fit all points of the given path to a circle
- Isonometric Circle: useful for isonometric views to generate ellipses representing circles in an isonometric view.
- Draw arc and its opposite as well as slice
- Rotation

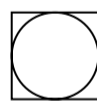
Method	Source path	Result w/ Source Path on	Result	Description
Auto ellipse:				2 points: circle
				3 points: circle
				4 points: fitted circle
				5 points: exact ellipse
				more than 5 points: fitted ellipse
Force Circle:				more than 2 points: fitted circle
Isonometric Circle:				 3 points: circle

Axes and Frame

Axes: on



Frame: on



Axes Rotation

Rotation Angles:

0°

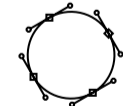
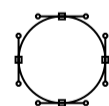
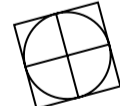
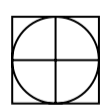
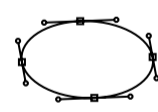
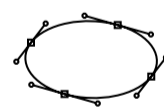
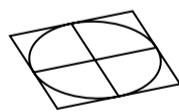
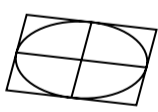
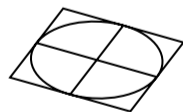
15°

45°

resulting nodes are rotated too:

0°

30°

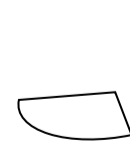
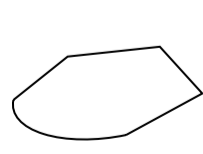
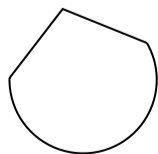


Arc and Slice

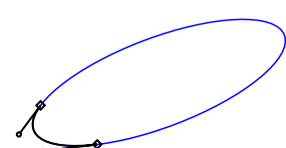
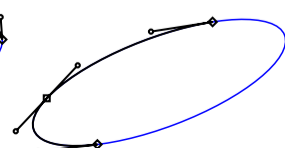
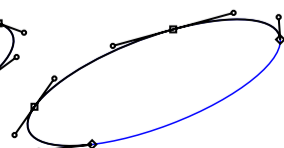
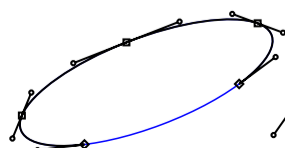
Arc: on



Arc: on and Arc other: on



Optimized number of knots:



Slice arc: on