

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
- Isometric circle: useful for isometric views to generate ellipses representing circles in an isometric view.
- Perspective circle: represents the ellipse from a circle under perspective view
- Steiner ellipses: ellipse from a triangle, options for both around and inside
- 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 with both points defining the diameter
				3 points: circle with all points on the circle
				4 points: fitted circle
				5 points: ellipse with all points at the ellipse
				more than 5 points: fitted ellipse
Force circle:				more than 2 points: fitted circle
Isometric circle:				
Perspective circle:				
Steiner ellipse				
Steiner inellipse				

Axes and Frame

Axes: on



Frame: on



Perspective: axes and square

Perspective axes: on



Perspective square: on



Axes Rotation

Rotation Angles:	0°	15°	45°	resulting nodes are rotated too:	
				0°	30°
Isometric circle					
Force circle					
Perspective circle					

Arc and Slice

Arc: on



Arc: on and Arc other: on



Optimized number of knots:

