

### [draw:transform issues](#)

We should change the documentation under „Transformation“ from „translate(<tx> [<ty>]), which specifies a translation by tx and ty.“ to

„translate(<tx> [<ty>]), which specifies a translation by tx and ty. The translation is relative to the origin of the parent slide and is given in coordinates. If ty is not given it defaults to 0.“

(we should document coordinates somewhere as a number with a unit value btw.)

Submitted issue [66814](#) for the wrong handling of draw:transform=“scale(sx)“

### [draw:circle and draw:ellipse issues](#)

I suggest to remove documented support for cx/cy/r/rx/ry for circle and ellipse as they are currently not supported anyway.

Having different width and height for a circle is ok in case the circle has a skew for example.

### [draw:formula issues](#)

Under „Formula“ we must change

```
unary_function = 'abs'|'sqrt'|'sin'|'cos'|'tan'|'atan'|'atan2'  
binary_function = 'min'|'max'
```

to

```
unary_function = 'abs'|'sqrt'|'sin'|'cos'|'tan'|'atan'  
binary_function = 'min'|'max'|'atan2'
```

since atan2 is a binary function.

Under Formula we should add

„All trigonometry functions work with values in ddegrees“

Not sure if we need to specify the „if“ function further as it is the obvious like in VML and other places where „if“ is a ternary function.

### [stretchpoint issues](#)

We should add the following to the „Path Stretchpoint“ documentation

„The stretchpoint is the same as the limo-stretch in vml.

When a stretchpoint is set, the shape is divided up into three parts, the front and the back of the shape remains geometrical unchanged, whereas the middle part that is defined by the stretchpoint is scaled.“

### [svg:d issues](#)

"no mixtures of open and closed curves for one shape" means that the OOo implementation does not support the combination of open and closed curves in one svg:d attribute. The path described with one svg:d attribute is either an open or a closed polygon.

I agree with Jon Ferraiolo that it is reasonable to exclude elliptical arc as an optional command as it is the same with SVG Full and SVG Tiny where it is not supported in the later.

### [gradient issues](#)

The OOO gradients are not documented as they are specified around the implementation of gradients inside OOO which itself is not documented. My personal opinion is to drop them completely and use the documented svg gradients in the near future.

It is correct that „draw:concentric-gradient-fill-allowed“ is currently only used for round trip and will only makes sense as soon as we also specify concentric gradients in ODF. It would make sense to remove it from the ODF specification as in the sense of the specification it is currently useless. But is it worth it?

### [interoperability issues](#)

Currently not all necessary attributes for some custom shapes are part of the OpenDocument format. They must be documented, this is an open issue. Question is, what priority? What time frame?

### [enhanced-path issues](#)

In the documentation for the draw:enhanced-path attribute commands

For the „N“ command we should exchange „eofill“ with „the even-odd filling rule“

For „ellipticalquadranty“ we should change description to „Draws a quarter ellipse from the current point to (x, y). The initial segment of each parameter pair is alternately tangential to the x and y axis. „

For „ellipticalquadranty“ we should change description to „Draws a quarter ellipse from the current point to (x, y). The initial segment of each parameter pair is alternately tangential to the y and x axis.“

### [svg:viewBox issues](#)

In the specification, all references to „svg:points“ must be changed to „draw:points“

Under „View Box“, we should change

„Some implementations may ignore the view box attribute. The implied coordinate system then has its origin at the left, top corner of the shape, without any scaling relative to the shape.“

to

„Some implementations may ignore the view box attribute. If the view box attribute is ignored or not available, the geometry resulting from the svg:d path will be translated and scaled so that it exactly fits the rectangle specified with the svg:x, svg:y, svg:width and svg:height attributes“

### [undefined angle measurements](#)

the above link points to a list of attributes that use angles but do not specify which unit they use. The OpenOffice implementation of ODF uses degrees for some and radians for others.

I think the minimum action should be to document at each attribute which unit OpenOffice is using. But we should consider to agree on one unit for all angles and I also favor degrees. But this should not be made until we make other incompatible changes to the format.