

Application Programmer's Interface

for

ODFPY

Contents

1	Introduction	4
1.1	About OpenDocument	4
2	Creating a document	4
2.1	Example	4
3	The OpenDocument classes	5
3.1	Loading a document	6
3.2	Manipulating the document	6
3.3	Subobjects	6
4	Special attributes	7
5	The Element classes	7
5.1	anim module	8
5.2	chart module	10
5.3	config module	13
5.4	dc module	14
5.5	dr3d module	15
5.6	draw module	16
5.7	form module	24
5.8	manifest module	29
5.9	math module	30
5.10	meta module	30
5.11	number module	32
5.12	office module	36
5.13	presentation module	40
5.14	script module	43
5.15	style module	44
5.16	svg module	51
5.17	table module	53
5.18	text module	67
5.19	xforms module	94
6	Convenience modules	94
6.1	Userfield module	95
6.2	Teletype module	95
6.3	Easyliststyle module	95
7	Examples	96
7.1	Creating a table in OpenDocument text	96
7.2	Creating the table as a spreadsheet	97
7.3	Photo album	97

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1 Introduction

Unlike other more convenient APIs, OdfPy is essentially an abstraction layer just above the XML format. The main focus has been to prevent the programmer from creating invalid documents. It has checks that raise an exception if the programmer adds an invalid element, adds an attribute unknown to the grammar, forgets to add a required attribute or adds text to an element that doesn't allow it.

It is about 90% feature-complete, but remember 90% of the time software is 90% complete.

1.1 About OpenDocument

An OpenDocument file is essentially an XML structure split into four XML files in a zip-file. If you unzip the file, you'll see content.xml, styles.xml, meta.xml and settings.xml. Odfpy handles these as *one* memory structure, which you can use the API to navigate.

From within the XML you can refer to images, and add them to the zip-archive. Finally, OpenDocument keeps track of all this via a META-INF/manifest.xml file (the manifest) containing the official files of the document.

2 Creating a document

You start the document by instantiating one of the *OpenDocumentChart*, *OpenDocumentDrawing*, *OpenDocumentImage*, *OpenDocumentPresentation*, *OpenDocumentSpreadsheet* or *OpenDocumentText* classes.

All of these provide properties you can attach elements to:

- meta
- scripts
- fontfacedecls
- settings
- styles
- automaticstyles
- masterstyles
- body

Additionally, the OpenDocumentText class provides the *text* property, which is where you add your text elements. A quick example probably is the best approach to give you an idea.

2.1 Example

```
from odf.opendocument import OpenDocumentText
from odf.style import Style, TextProperties
from odf.text import H, P, Span

textdoc = OpenDocumentText()
# Styles
s = textdoc.styles
h1style = Style(name="Heading 1", family="paragraph")
h1style.addElement(TextProperties(attributes={'fontsize':"24pt", 'fontweight':"bo
```

```

ld" })))
s.addElement(h1style)
# An automatic style
boldstyle = Style(name="Bold", family="text")
boldprop = TextProperties(fontweight="bold")
boldstyle.addElement(boldprop)
textdoc.automaticstyles.addElement(boldstyle)
# Text
h=H(outlinelevel=1, stylename=h1style, text="My first text")
textdoc.text.addElement(h)
p = P(text="Hello world. ")
boldpart = Span(stylename=boldstyle, text="This part is bold. ")
p.addElement(boldpart)
p.addText("This is after bold.")
textdoc.text.addElement(p)
textdoc.save("myfirstdocument.odt")

```

You now have your first script-produced document called “myfirstdocument.odt”.

3 The OpenDocument classes

The *OpenDocumentChart*, *OpenDocumentDrawing*, *OpenDocumentImage*, *OpenDocumentPresentation*, *OpenDocumentSpreadsheet* and *OpenDocumentText* classes derive from the *OpenDocument* class. These methods are available:

- `save(filename, addsuffix=False)` This method will write to a file what you have constructed. If you provide the argument `addsuffix=True`, it will add the “.od?” suffix to the filename automatically based on the class name.
- `write(fileobject)` Writes the document to a file-like object of the type available from `StringIO`.
- `addPicture(filename, mediatype=None, content=None)` Adds a file to the Pictures directory in the zip archive and adds the new filename to the manifest. If `content` is not `None`, then use this as the image rather than open the filename. The return value is the new file name, which you can use for the *href* attribute in the *draw.Image* class. If `mediatype` is `None`, then guess the mediatype from the file name.
- `addThumbnail(content=None)` If `content` is `None`, adds a nice 128x128 pixel, but rather bulky thumbnail to the document. Otherwise the content must be a png image in memory that will then be added to the document.
- `addObject(object)` Adds a subobject to the document. The return value is the folder name of the object in the document container, which you use for the *href* attribute in the *draw.Object* class.
- `xml()` Generates the full document as an XML file and returns it as a string in UTF-8 encoding.

OpenDocumentChart is used for pie charts etc. It provides the *chart* property, which is where you add your elements.

OpenDocumentDrawing is used for vector-based drawings. It provides the *drawing* property, which is where you add your elements.

OpenDocumentImage is used for images. It provides the *image* property, which is where you add your elements.

OpenDocumentPresentation provides the *presentation* property, which is where you add your elements.

OpenDocumentSpreadsheet provides the *spreadsheet* property, which is where you add your elements.

OpenDocumentText provides the *text* property, which is where you add your elements.

3.1 Loading a document

ODFPY can load a document into memory, which you can then change with the API. Example:

```
from odf.opendocument import load
doc = load("my document.odt")
doc.save("new document.odt")
```

3.2 Manipulating the document

There are also methods for manipulating the document. These are methods of the OpenDocument class:

getMediaType()	Returns the media type
getStyleByName()	Returns a style element from the document with that name, otherwise None. Searches both automatic and common styles.
createElement(class)	Method to create an element. Inconvenient, but follows XML-DOM. Does not allow attributes as arguments, therefore can't check grammar.
createTextNode(data)	Creates a text node given the specified string
createCDATASection(data)	Creates a CDATA section node whose value is the specified string.
getElementsByType(class)	Returns a list of all elements of a given type.

Example:

Print the style reference from all paragraphs.

```
from odf.opendocument import load
from odf import text
doc = load("my document.odt")
for paragraph in doc.getElementsByType(text.P):
    print paragraph.getAttribute('stylename')
```

3.3 Subobjects

Subobjects are a way to embed documents inside documents. Typically these can be charts, formulas or spreadsheets inside a text, presentation or spreadsheet. The way it works in odfpy, is that you create your objects the normal way by the OpenDocument classes. Then you use the addObject() method to join one to the other. Here is an example:

```
from odf import opendocument, chart, text, draw
chartdoc = opendocument.OpenDocumentChart() # Create the subdocument
maindoc = opendocument.OpenDocumentText() # Create the main document
df = draw.Frame(width="6in", height="5in", anchortype="paragraph")
maindoc.text.addElement(df)
# Here we add the subdocument to the main document. We get back a reference
```

```
# to use in the href.
objectloc = maindoc.addObject(chartdoc)
do = draw.Object(href=objectloc)
df.addElement(do)
maindoc.save("mydocument.odt")
```

You can add pictures to both documents. You can even have several levels of subobjects, but OOo makes it impossible to add an object when you edit an embedded subobject, so it is probably not a good idea.

See the subobject.py file in the examples folder for a real example.

4 Special attributes

The following attributes take a style.Style class instance:

- *applystyle*
- *citationbodystyle*
- *citationstyle*
- *condstyle*
- *datastyle*
- *defaultcellstyle*
- *defaultstyle*
- *mainentrystyle*
- *style*
- *textstyle*
- *visitedstyle*

The following attributes take a style.PageLayout instance:

- *pagelayout*
- *presentationpagelayout*

The *masterpagename* attribute takes a style.MasterPage instance.

The *points* attribute can take either: A string value where each point consists of two coordinates. The coordinates are separated by a comma and the points are separated by white spaces. Or a list of lists where each inner list is a pair of integer coordinates. Example: [(0, 0), (-32, 981)]

5 The Element classes

Every element in the OpenDocument XML format is implemented as a Python class that derives from the Element class. The Element class has the following attributes:

nodeType	A code representing the type of the node.
parentNode	The parent of this node or None if it has not yet been added to the tree.
childNodes	A list of child nodes.
firstChild	The first child of this element.
lastChild	The last child of this element.

<code>previousSibling</code>	The node immediately preceding this node.
<code>nextSibling</code>	The node immediately following this node.

The `Element` class has the following methods:

- `addElement(element, check_grammar=True)` – adds an element as a child to another element. It will check if the element can legally be a child, and raise an exception if not.
- `addText(text)` – adds text to an element
- `addCDATA(cdata)` – adds text, but treats it as CDATA.
- `setAttribute(attr, value, check_grammar=True)` – adds or sets an attribute.
- `getAttribute(attr)` – gets an attribute by name.
- `hasChildNodes()` – Tells whether this element has any children; text nodes, subelements of any kind.
- `insertBefore(newchild, refchild)` – Inserts the node `newchild` before the existing child node `refchild`.
- `appendChild(newchild)` – Adds the node `newchild` to the end of the list of children.
- `removeChild(oldchild)` – Removes the child node.
- `getElementsByType(class)` – Returns a list of all descendant elements of the given type.

The instantiation of an `Element` or a derived class is done the normal way you create an instance of a Python class. You must provide the required attributes. This can be done in two ways; as arguments, or as an attribute dictionary.

An example of arguments:

```
from odf.style import Style
hlstyle = Style(name="Heading 1", family="paragraph")
```

An example of attributes dictionary:

```
from odf.style import Style
hlstyle = Style(attributes={'name': 'Heading 1', 'family': 'paragraph'})
```

And finally, there are two convenient ways to add a text node. As text and cdata:

```
from odf import text
p = text.P(text="Hello World\n")

s = text.Script(cdata="if (y < x) print 'less';", language="JavaScript")
```

There are so many elements, and some of them have the same name, that we have organised them in modules. To use a module you must first import it as a Python module. To create a paragraph do:

```
from odf import text
p = text.P(text="Hello World\n")
```

5.1 *anim module*

5.1.1 *anim.Animate*

Requires the following attributes: *attributename*.

Allows the following attributes: *accumulate*, *additive*, *attributename*, *by*, *calcmode*, *fill*, *formula*, *from*, *keysplines*, *keytimes*, *repeatcount*, *repeatdur*, *subitem*, *targetelement*, *to*, *values*.

These elements contain `anim.Animate`: *anim.Iterate*, *anim.Par*, *anim.Seq*, *draw.Page*.

The following elements occur in anim.Animate: *No element is allowed.*

5.1.2 anim.Animatecolor

Requires the following attributes: *attributename*.

Allows the following attributes: *accumulate, additive, attributename, by, calcmode, colorinterpolation, colorinterpolationdirection, fill, formula, from, keysplines, keytimes, subitem, targetelement, to, values*.

These elements contain anim.Animatecolor: *anim.Iterate, anim.Par, anim.Seq, draw.Page*.

The following elements occur in anim.Animatecolor: *No element is allowed.*

5.1.3 anim.Animatemotion

Requires the following attributes: *attributename*.

Allows the following attributes: *accumulate, additive, attributename, by, calcmode, fill, formula, from, keysplines, keytimes, origin, path, subitem, targetelement, to, values*.

These elements contain anim.Animatemotion: *anim.Iterate, anim.Par, anim.Seq, draw.Page*.

The following elements occur in anim.Animatemotion: *No element is allowed.*

5.1.4 anim.Animatetransform

Requires the following attributes: *attributename, type*.

Allows the following attributes: *accumulate, additive, attributename, by, fill, formula, from, subitem, targetelement, to, type, values*.

These elements contain anim.Animatetransform: *anim.Iterate, anim.Par, anim.Seq, draw.Page*.

The following elements occur in anim.Animatetransform: *No element is allowed.*

5.1.5 anim.Audio

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *audiolevel, begin, dur, end, groupid, href, id, masterelement, nodetype, presetclass, presetid, presetsubtype, repeatcount, repeatdur*.

These elements contain anim.Audio: *anim.Iterate, anim.Par, anim.Seq, draw.Page*.

The following elements occur in anim.Audio: *No element is allowed.*

5.1.6 anim.Command

Requires the following attributes: *command*.

Allows the following attributes: *begin, command, end, groupid, id, masterelement, nodetype, presetclass, presetid, presetsubtype, subitem, targetelement*.

These elements contain anim.Command: *anim.Iterate, anim.Par, anim.Seq, draw.Page*.

The following elements occur in anim.Command: *anim.Param*.

5.1.7 anim.Iterate

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *accelerate, autoreverse, begin, decelerate, dur, end, endsync, fill, filldefault, groupid, id, iterateinterval, iteratetype, masterelement, nodetype, presetclass, presetid, presetsubtype, repeatcount, repeatdur, restart, restartdefault, targetelement*.

These elements contain anim.Iterate: *anim.Iterate, anim.Par, anim.Seq, draw.Page*.

The following elements occur in anim.Iterate: *anim.Animate, anim.Animatecolor, anim.Animatemotion, anim.Animatetransform, anim.Audio, anim.Command, anim.Iterate, anim.Par, anim.Seq, anim.Set, anim.Transitionfilter*.

5.1.8 anim.Par

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *accelerate, autoreverse, begin, decelerate, dur, end, endsync, fill, filldefault, groupid, id, masterelement, nodetype, presetclass, presetid, presetsubtype, repeatcount, repeatdur, restart, restartdefault.*

These elements contain anim.Par: *anim.Iterate, anim.Par, anim.Seq, draw.Page.*

The following elements occur in anim.Par: *anim.Animate, anim.Animatecolor, anim.Animatemotion, anim.Animatetransform, anim.Audio, anim.Command, anim.Iterate, anim.Par, anim.Seq, anim.Set, anim.Transitionfilter.*

5.1.9 anim.Param

Requires the following attributes: *name, value.*

Allows the following attributes: *name, value.*

These elements contain anim.Param: *anim.Command.*

The following elements occur in anim.Param: *No element is allowed.*

5.1.10 anim.Seq

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *accelerate, autoreverse, begin, decelerate, dur, end, endsync, fill, filldefault, groupid, id, masterelement, nodetype, presetclass, presetid, presetsubtype, repeatcount, repeatdur, restart, restartdefault.*

These elements contain anim.Seq: *anim.Iterate, anim.Par, anim.Seq, draw.Page.*

The following elements occur in anim.Seq: *anim.Animate, anim.Animatecolor, anim.Animatemotion, anim.Animatetransform, anim.Audio, anim.Command, anim.Iterate, anim.Par, anim.Seq, anim.Set, anim.Transitionfilter.*

5.1.11 anim.Set

Requires the following attributes: *attributename.*

Allows the following attributes: *accumulate, additive, attributename, fill, subitem, targetelement, to.*

These elements contain anim.Set: *anim.Iterate, anim.Par, anim.Seq, draw.Page.*

The following elements occur in anim.Set: *No element is allowed.*

5.1.12 anim.Transitionfilter

Requires the following attributes: *type.*

Allows the following attributes: *accumulate, additive, by, calcmode, direction, fadecolor, fill, formula, from, mode, subitem, subtype, targetelement, to, type, values.*

These elements contain anim.Transitionfilter: *anim.Iterate, anim.Par, anim.Seq, draw.Page.*

The following elements occur in anim.Transitionfilter: *No element is allowed.*

5.2 chart module

5.2.1 chart.Axis

Requires the following attributes: *dimension.*

Allows the following attributes: *dimension, name, stylename.*

These elements contain chart.Axis: *chart.PlotArea.*

The following elements occur in chart.Axis: *chart.Categories*, *chart.Grid*, *chart.Title*.

5.2.2 chart.Categories

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *cellrangeaddress*.

These elements contain chart.Categories: *chart.Axis*.

The following elements occur in chart.Categories: *No element is allowed*.

5.2.3 chart.Chart

Requires the following attributes: *class*.

Allows the following attributes: *class*, *columnmapping*, *height*, *rowmapping*, *stylename*, *width*.

These elements contain chart.Chart: *office.Chart*.

The following elements occur in chart.Chart: *chart.Footer*, *chart.Legend*, *chart.PlotArea*, *chart.Subtitle*, *chart.Title*, *table.Table*.

5.2.4 chart.DataPoint

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *repeated*, *stylename*.

These elements contain chart.DataPoint: *chart.Series*.

The following elements occur in chart.DataPoint: *No element is allowed*.

5.2.5 chart.Domain

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *cellrangeaddress*.

These elements contain chart.Domain: *chart.Series*.

The following elements occur in chart.Domain: *No element is allowed*.

5.2.6 chart.ErrorIndicator

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *stylename*.

These elements contain chart.ErrorIndicator: *chart.Series*.

The following elements occur in chart.ErrorIndicator: *No element is allowed*.

5.2.7 chart.Floor

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *stylename*, *width*.

These elements contain chart.Floor: *chart.PlotArea*.

The following elements occur in chart.Floor: *No element is allowed*.

5.2.8 chart.Footer

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *cellrange*, *stylename*, *x*, *y*.

These elements contain chart.Footer: *chart.Chart*.

The following elements occur in chart.Footer: *text.P*.

5.2.9 chart.Grid

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *class, stylename.*

These elements contain chart.Grid: *chart.Axis.*

The following elements occur in chart.Grid: *No element is allowed.*

5.2.10 chart.Legend

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *legendalign, legendexpansion, legendexpansionaspectratio, legendposition, stylename, x, y.*

These elements contain chart.Legend: *chart.Chart.*

The following elements occur in chart.Legend: *No element is allowed.*

5.2.11 chart.MeanValue

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *stylename.*

These elements contain chart.MeanValue: *chart.Series.*

The following elements occur in chart.MeanValue: *No element is allowed.*

5.2.12 chart.PlotArea

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *ambientcolor, cellrangeaddress, datasourcehaslabels, distance, focallength, height, lightingmode, projection, shademode, shadowslant, stylename, transform, vpr, vup, width, x, y.*

These elements contain chart.PlotArea: *chart.Chart.*

The following elements occur in chart.PlotArea: *chart.Axis, chart.Floor, chart.Series, chart.StockGainMarker, chart.StockLossMarker, chart.StockRangeLine, chart.Wall, dr3d.Light.*

5.2.13 chart.RegressionCurve

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *stylename.*

These elements contain chart.RegressionCurve: *chart.Series.*

The following elements occur in chart.RegressionCurve: *No element is allowed.*

5.2.14 chart.Series

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *attachedaxis, class, labelcelladdress, stylename, valuescellrangeaddress.*

These elements contain chart.Series: *chart.PlotArea.*

The following elements occur in chart.Series: *chart.DataPoint, chart.Domain, chart.ErrorIndicator, chart.MeanValue, chart.RegressionCurve.*

5.2.15 chart.StockGainMarker

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *stylename.*

These elements contain chart.StockGainMarker: *chart.PlotArea.*

The following elements occur in chart.StockGainMarker: *No element is allowed.*

5.2.16 chart.StockLossMarker

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *stylename.*

These elements contain chart.StockLossMarker: *chart.PlotArea.*

The following elements occur in chart.StockLossMarker: *No element is allowed.*

5.2.17 chart.StockRangeLine

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *stylename.*

These elements contain chart.StockRangeLine: *chart.PlotArea.*

The following elements occur in chart.StockRangeLine: *No element is allowed.*

5.2.18 chart.Subtitle

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *cellrange, stylename, x, y.*

These elements contain chart.Subtitle: *chart.Chart.*

The following elements occur in chart.Subtitle: *text.P.*

5.2.19 chart.SymbolImage

Requires the following attributes: *href.*

Allows the following attributes: *href.*

These elements contain chart.SymbolImage: *style.ChartProperties.*

The following elements occur in chart.SymbolImage: *No element is allowed.*

5.2.20 chart.Title

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *cellrange, stylename, x, y.*

These elements contain chart.Title: *chart.Axis, chart.Chart.*

The following elements occur in chart.Title: *text.P.*

5.2.21 chart.Wall

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *stylename, width.*

These elements contain chart.Wall: *chart.PlotArea.*

The following elements occur in chart.Wall: *No element is allowed.*

5.3 config module

5.3.1 config.ConfigItem

Requires the following attributes: *name, type.*

Allows the following attributes: *name, type.*

These elements contain config.ConfigItem: *config.ConfigItemMapEntry, config.ConfigItemSet.*

The following elements occur in config.ConfigItem: *No element is allowed.*

5.3.2 config.ConfigItemMapEntry

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *name.*

These elements contain config.ConfigItemMapEntry: *config.ConfigItemMapIndexed, config.ConfigItemMapNamed.*

The following elements occur in config.ConfigItemMapEntry: *config.ConfigItem, config.ConfigItemMapIndexed, config.ConfigItemMapNamed, config.ConfigItemSet.*

5.3.3 config.ConfigItemMapIndexed

Requires the following attributes: *name.*

Allows the following attributes: *name.*

These elements contain config.ConfigItemMapIndexed: *config.ConfigItemMapEntry, config.ConfigItemSet.*

The following elements occur in config.ConfigItemMapIndexed: *config.ConfigItemMapEntry.*

5.3.4 config.ConfigItemMapNamed

Requires the following attributes: *name.*

Allows the following attributes: *name.*

These elements contain config.ConfigItemMapNamed: *config.ConfigItemMapEntry, config.ConfigItemSet.*

The following elements occur in config.ConfigItemMapNamed: *config.ConfigItemMapEntry.*

5.3.5 config.ConfigItemSet

Requires the following attributes: *name.*

Allows the following attributes: *name.*

These elements contain config.ConfigItemSet: *config.ConfigItemMapEntry, config.ConfigItemSet, office.Settings.*

The following elements occur in config.ConfigItemSet: *config.ConfigItem, config.ConfigItemMapIndexed, config.ConfigItemMapNamed, config.ConfigItemSet.*

5.4 dc module

5.4.1 dc.Creator

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain dc.Creator: *office.Annotation, office.ChangeInfo, office.Meta.*

The following elements occur in dc.Creator: *No element is allowed.*

5.4.2 dc.Date

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain dc.Date: *office.Annotation, office.ChangeInfo, office.Meta.*

The following elements occur in dc.Date: *No element is allowed.*

5.4.3 dc.Description

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*
These elements contain dc.Description: *office.Meta.*
The following elements occur in dc.Description: *No element is allowed.*

5.4.4 dc.Language

Requires the following attributes: *No attribute is required.*
Allows the following attributes: *No attribute is allowed.*
These elements contain dc.Language: *office.Meta.*
The following elements occur in dc.Language: *No element is allowed.*

5.4.5 dc.Subject

Requires the following attributes: *No attribute is required.*
Allows the following attributes: *No attribute is allowed.*
These elements contain dc.Subject: *office.Meta.*
The following elements occur in dc.Subject: *No element is allowed.*

5.4.6 dc.Title

Requires the following attributes: *No attribute is required.*
Allows the following attributes: *No attribute is allowed.*
These elements contain dc.Title: *office.Meta.*
The following elements occur in dc.Title: *No element is allowed.*

5.5 dr3d module

5.5.1 dr3d.Cube

Requires the following attributes: *No attribute is required.*
Allows the following attributes: *classnames, id, layer, maxedge, minedge, stylename, transform, zindex.*
These elements contain dr3d.Cube: *dr3d.Scene.*
The following elements occur in dr3d.Cube: *No element is allowed.*

5.5.2 dr3d.Extrude

Requires the following attributes: *d, viewbox.*
Allows the following attributes: *classnames, d, id, layer, stylename, transform, viewbox, zindex.*
These elements contain dr3d.Extrude: *dr3d.Scene.*
The following elements occur in dr3d.Extrude: *No element is allowed.*

5.5.3 dr3d.Light

Requires the following attributes: *direction.*
Allows the following attributes: *diffusecolor, direction, enabled, specular.*
These elements contain dr3d.Light: *chart.PlotArea, dr3d.Scene.*
The following elements occur in dr3d.Light: *No element is allowed.*

5.5.4 dr3d.Rotate

Requires the following attributes: *d, viewbox.*
Allows the following attributes: *classnames, d, id, layer, stylename, transform, viewbox, zindex.*

These elements contain dr3d.Rotate: *dr3d.Scene*.

The following elements occur in dr3d.Rotate: *No element is allowed*.

5.5.5 dr3d.Scene

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *ambientcolor, anchorpagenumber, anchortype, classnames, distance, endcelladdress, endx, endy, focallength, height, id, layer, lightingmode, projection, shademode, shadowslant, stylename, tablebackground, transform, vpn, vrp, vup, width, x, y, zindex*.

These elements contain dr3d.Scene: *dr3d.Scene, draw.G, draw.Page, draw.TextBox, office.Text, presentation.Notes, style.HandoutMaster, style.MasterPage, table.CoveredTableCell, table.Shapes, table.TableCell, text.A, text.Deletion, text.H, text.IndexBody, text.IndexTitle, text.NoteBody, text.P, text.RubyBase, text.Section, text.Span*.

The following elements occur in dr3d.Scene: *dr3d.Cube, dr3d.Extrude, dr3d.Light, dr3d.Rotate, dr3d.Scene, dr3d.Sphere*.

5.5.6 dr3d.Sphere

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *center, classnames, id, layer, size, stylename, transform, zindex*.

These elements contain dr3d.Sphere: *dr3d.Scene*.

The following elements occur in dr3d.Sphere: *No element is allowed*.

5.6 draw module

5.6.1 draw.A

Requires the following attributes: *href*.

Allows the following attributes: *actuate, href, name, servermap, show, targetframeName, type*.

These elements contain draw.A: *draw.TextBox, office.Text, table.CoveredTableCell, table.TableCell, text.A, text.Deletion, text.H, text.IndexBody, text.IndexTitle, text.NoteBody, text.P, text.RubyBase, text.Section, text.Span*.

The following elements occur in draw.A: *draw.Frame*.

5.6.2 draw.Applet

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *actuate, archive, code, href, mayscript, object, show, type*.

These elements contain draw.Applet: *draw.Frame*.

The following elements occur in draw.Applet: *draw.Param*.

5.6.3 draw.AreaCircle

Requires the following attributes: *cx, cy, r*.

Allows the following attributes: *cx, cy, href, name, nohref, r, show, targetframeName, type*.

These elements contain draw.AreaCircle: *draw.ImageMap*.

The following elements occur in draw.AreaCircle: *office.EventListeners, svg.Desc*.

5.6.4 draw.AreaPolygon

Requires the following attributes: *height, points, viewBox, width, x, y*.

Allows the following attributes: *height, href, name, nohref, points, show, targetframeName, type, viewBox, width, x, y*.

These elements contain draw.AreaPolygon: *draw.ImageMap*.

The following elements occur in draw.AreaPolygon: *office.EventListeners*, *svg.Desc*.

5.6.5 draw.AreaRectangle

Requires the following attributes: *height*, *width*, *x*, *y*.

Allows the following attributes: *height*, *href*, *name*, *nohref*, *show*, *targetframenname*, *type*, *width*, *x*, *y*.

These elements contain draw.AreaRectangle: *draw.ImageMap*.

The following elements occur in draw.AreaRectangle: *office.EventListeners*, *svg.Desc*.

5.6.6 draw.Caption

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *anchorpagenumber*, *anchortype*, *captionpointx*, *captionpointy*, *classnameses*, *cornerradius*, *endcelladdress*, *endx*, *endy*, *height*, *id*, *layer*, *name*, *stylename*, *tablebackground*, *textstylename*, *transform*, *width*, *x*, *y*, *zindex*.

These elements contain draw.Caption: *draw.G*, *draw.Page*, *draw.TextBox*, *office.Text*, *presentation.Notes*, *style.HandoutMaster*, *style.MasterPage*, *table.CoveredTableCell*, *table.Shapes*, *table.TableCell*, *text.A*, *text.Deletion*, *text.H*, *text.IndexBody*, *text.IndexTitle*, *text.NoteBody*, *text.P*, *text.RubyBase*, *text.Section*, *text.Span*.

The following elements occur in draw.Caption: *draw.GluePoint*, *office.EventListeners*, *text.List*, *text.P*.

5.6.7 draw.Circle

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *anchorpagenumber*, *anchortype*, *classnameses*, *cx*, *cy*, *endangle*, *endcelladdress*, *endx*, *endy*, *height*, *id*, *kind*, *layer*, *name*, *r*, *startangle*, *stylename*, *tablebackground*, *textstylename*, *transform*, *width*, *x*, *y*, *zindex*.

These elements contain draw.Circle: *draw.G*, *draw.Page*, *draw.TextBox*, *office.Text*, *presentation.Notes*, *style.HandoutMaster*, *style.MasterPage*, *table.CoveredTableCell*, *table.Shapes*, *table.TableCell*, *text.A*, *text.Deletion*, *text.H*, *text.IndexBody*, *text.IndexTitle*, *text.NoteBody*, *text.P*, *text.RubyBase*, *text.Section*, *text.Span*.

The following elements occur in draw.Circle: *draw.GluePoint*, *office.EventListeners*, *text.List*, *text.P*.

5.6.8 draw.Connector

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *anchorpagenumber*, *anchortype*, *classnameses*, *endcelladdress*, *endgluepoint*, *endshape*, *endx*, *endy*, *id*, *layer*, *lineskew*, *name*, *startgluepoint*, *startshape*, *stylename*, *tablebackground*, *textstylename*, *transform*, *type*, *x1*, *x2*, *y1*, *y2*, *zindex*.

These elements contain draw.Connector: *draw.G*, *draw.Page*, *draw.TextBox*, *office.Text*, *presentation.Notes*, *style.HandoutMaster*, *style.MasterPage*, *table.CoveredTableCell*, *table.Shapes*, *table.TableCell*, *text.A*, *text.Deletion*, *text.H*, *text.IndexBody*, *text.IndexTitle*, *text.NoteBody*, *text.P*, *text.RubyBase*, *text.Section*, *text.Span*.

The following elements occur in draw.Connector: *draw.GluePoint*, *office.EventListeners*, *text.List*, *text.P*.

5.6.9 draw.ContourPath

Requires the following attributes: *d*, *recreateonedit*, *viewbox*.

Allows the following attributes: *d, height, recreateonedit, viewBox, width*.

These elements contain draw.ContourPath: *draw.Frame*.

The following elements occur in draw.ContourPath: *No element is allowed*.

5.6.10 draw.ContourPolygon

Requires the following attributes: *points, recreateonedit, viewBox*.

Allows the following attributes: *height, points, recreateonedit, viewBox, width*.

These elements contain draw.ContourPolygon: *draw.Frame*.

The following elements occur in draw.ContourPolygon: *No element is allowed*.

5.6.11 draw.Control

Requires the following attributes: *control*.

Allows the following attributes: *anchorpagenumber, anchortype, classnames, control, endcelladdress, endx, endy, height, id, layer, name, style, style, tablebackground, textstyle, transform, width, x, y, zindex*.

These elements contain draw.Control: *draw.G, draw.Page, draw.TextBox, office.Text, presentation.Notes, style.HandoutMaster, style.MasterPage, table.CoveredTableCell, table.Shapes, table.TableCell, text.A, text.Deletion, text.H, text.IndexBody, text.IndexTitle, text.NoteBody, text.P, text.RubyBase, text.Section, text.Span*.

The following elements occur in draw.Control: *draw.GluePoint*.

5.6.12 draw.CustomShape

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *anchorpagenumber, anchortype, classnames, data, endcelladdress, endx, endy, engine, height, id, layer, name, style, style, tablebackground, textstyle, transform, width, x, y, zindex*.

These elements contain draw.CustomShape: *draw.G, draw.Page, draw.TextBox, office.Text, presentation.Notes, style.HandoutMaster, style.MasterPage, table.CoveredTableCell, table.Shapes, table.TableCell, text.A, text.Deletion, text.H, text.IndexBody, text.IndexTitle, text.NoteBody, text.P, text.RubyBase, text.Section, text.Span*.

The following elements occur in draw.CustomShape: *draw.EnhancedGeometry, draw.GluePoint, office.EventListeners, text.List, text.P*.

5.6.13 draw.Ellipse

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *anchorpagenumber, anchortype, classnames, cx, cy, endangle, endcelladdress, endx, endy, height, id, kind, layer, name, rx, ry, startangle, style, style, tablebackground, textstyle, transform, width, x, y, zindex*.

These elements contain draw.Ellipse: *draw.G, draw.Page, draw.TextBox, office.Text, presentation.Notes, style.HandoutMaster, style.MasterPage, table.CoveredTableCell, table.Shapes, table.TableCell, text.A, text.Deletion, text.H, text.IndexBody, text.IndexTitle, text.NoteBody, text.P, text.RubyBase, text.Section, text.Span*.

The following elements occur in draw.Ellipse: *draw.GluePoint, office.EventListeners, text.List, text.P*.

5.6.14 draw.EnhancedGeometry

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *concentricgradientfillallowed, enhancedpath, extrusion,*

extrusionallowed, extrusionbrightness, extrusioncolor, extrusiondepth, extrusiondiffusion, extrusionfirstlightdirection, extrusionfirstlightharsh, extrusionfirstlightlevel, extrusionlightface, extrusionmetal, extrusionnumberofflinesegments, extrusionorigin, extrusionrotationangle, extrusionrotationcenter, extrusionsecondlightdirection, extrusionsecondlightharsh, extrusionsecondlightlevel, extrusionshininess, extrusionskew, extrusionspecularity, extrusionviewpoint, gluepointleavingdirections, gluepoints, gluepointtype, mirrorhorizontal, mirrorvertical, modifiers, pathstretchpointx, pathstretchpointy, projection, shademode, textareas, textpath, textpathallowed, textpathmode, textpathsamelineheights, textpathscale, textrotateangle, type, viewbox.

These elements contain draw.EnhancedGeometry: *draw.CustomShape*.

The following elements occur in draw.EnhancedGeometry: *draw.Equation, draw.Handle*.

5.6.15 draw.Equation

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *formula, name*.

These elements contain draw.Equation: *draw.EnhancedGeometry*.

The following elements occur in draw.Equation: *No element is allowed*.

5.6.16 draw.FillImage

Requires the following attributes: *href, name*.

Allows the following attributes: *actuate, displayname, height, href, name, show, type, width*.

These elements contain draw.FillImage: *office.Styles*.

The following elements occur in draw.FillImage: *No element is allowed*.

5.6.17 draw.FloatingFrame

Requires the following attributes: *href*.

Allows the following attributes: *actuate, framename, href, show, type*.

These elements contain draw.FloatingFrame: *draw.Frame*.

The following elements occur in draw.FloatingFrame: *No element is allowed*.

5.6.18 draw.Frame

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *anchorpagenumber, anchortype, class, classnames, copyof, endcelladdress, endx, endy, height, id, layer, name, placeholder, relheight, relwidth, stylename, tablebackground, textstylename, transform, usertransformed, width, x, y, zindex*.

These elements contain draw.Frame: *draw.A, draw.G, draw.Page, draw.TextBox, office.Image, office.Text, presentation.Notes, style.HandoutMaster, style.MasterPage, table.CoveredTableCell, table.Shapes, table.TableCell, text.A, text.Deletion, text.H, text.IndexBody, text.IndexTitle, text.NoteBody, text.P, text.RubyBase, text.Section, text.Span*.

The following elements occur in draw.Frame: *draw.Applet, draw.ContourPath, draw.ContourPolygon, draw.FloatingFrame, draw.GluePoint, draw.Image, draw.ImageMap, draw.Object, draw.ObjectOle, draw.Plugin, draw.TextBox, office.EventListeners, svg.Desc*.

5.6.19 draw.G

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *anchorpagenumber, anchortype, classnames, endcelladdress, endx, endy, id, name, stylename, tablebackground, y, zindex*.

These elements contain draw.G: *draw.G, draw.Page, draw.TextBox, office.Text*,

presentation.Notes, style.HandoutMaster, style.MasterPage, table.CoveredTableCell, table.Shapes, table.TableCell, text.A, text.Deletion, text.H, text.IndexBody, text.IndexTitle, text.NoteBody, text.P, text.RubyBase, text.Section, text.Span.

The following elements occur in *draw.G*: *dr3d.Scene, draw.Caption, draw.Circle, draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.GluePoint, draw.Line, draw.Measure, draw.PageThumbnail, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon, office.EventListeners.*

5.6.20 draw.GluePoint

Requires the following attributes: *align, id, x, y.*

Allows the following attributes: *align, id, x, y.*

These elements contain *draw.GluePoint*: *draw.Caption, draw.Circle, draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon.*

The following elements occur in *draw.GluePoint*: *No element is allowed.*

5.6.21 draw.Gradient

Requires the following attributes: *style.*

Allows the following attributes: *angle, border, cx, cy, displayname, endcolor, endintensity, name, startcolor, startintensity, style.*

These elements contain *draw.Gradient*: *office.Styles.*

The following elements occur in *draw.Gradient*: *No element is allowed.*

5.6.22 draw.Handle

Requires the following attributes: *handleposition.*

Allows the following attributes: *handlemirrorhorizontal, handlemirrorvertical, handlepolar, handleposition, handleradiusrangemaximum, handleradiusrangeminimum, handlerangexmaximum, handlerangexminimum, handlerangeymaximum, handlerangeymaximum, handleswitched.*

These elements contain *draw.Handle*: *draw.EnhancedGeometry.*

The following elements occur in *draw.Handle*: *No element is allowed.*

5.6.23 draw.Hatch

Requires the following attributes: *name, style.*

Allows the following attributes: *color, displayname, distance, name, rotation, style.*

These elements contain *draw.Hatch*: *office.Styles.*

The following elements occur in *draw.Hatch*: *No element is allowed.*

5.6.24 draw.Image

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *actuate, filtername, href, show, type.*

These elements contain *draw.Image*: *draw.Frame.*

The following elements occur in *draw.Image*: *office.BinaryData, text.List, text.P.*

5.6.25 draw.ImageMap

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain *draw.ImageMap*: *draw.Frame.*

The following elements occur in draw.ImageMap: *draw.AreaCircle*, *draw.AreaPolygon*, *draw.AreaRectangle*.

5.6.26 draw.Layer

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *display*, *name*, *protected*.

These elements contain draw.Layer: *draw.LayerSet*.

The following elements occur in draw.Layer: *No element is allowed*.

5.6.27 draw.LayerSet

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain draw.LayerSet: *office.MasterStyles*.

The following elements occur in draw.LayerSet: *draw.Layer*.

5.6.28 draw.Line

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *anchorpagenumber*, *anchortype*, *classnames*, *endcelladdress*, *endx*, *endy*, *id*, *layer*, *name*, *stylename*, *tablebackground*, *textstylename*, *transform*, *x1*, *x2*, *y1*, *y2*, *zindex*.

These elements contain draw.Line: *draw.G*, *draw.Page*, *draw.TextBox*, *office.Text*, *presentation.Notes*, *style.HandoutMaster*, *style.MasterPage*, *table.CoveredTableCell*, *table.Shapes*, *table.TableCell*, *text.A*, *text.Deletion*, *text.H*, *text.IndexBody*, *text.IndexTitle*, *text.NoteBody*, *text.P*, *text.RubyBase*, *text.Section*, *text.Span*.

The following elements occur in draw.Line: *draw.GluePoint*, *office.EventListeners*, *text.List*, *text.P*.

5.6.29 draw.Marker

Requires the following attributes: *d*, *name*, *viewbox*.

Allows the following attributes: *d*, *displayname*, *name*, *viewbox*.

These elements contain draw.Marker: *office.Styles*.

The following elements occur in draw.Marker: *No element is allowed*.

5.6.30 draw.Measure

Requires the following attributes: *x1*, *x2*, *y1*, *y2*.

Allows the following attributes: *anchorpagenumber*, *anchortype*, *classnames*, *endcelladdress*, *endx*, *endy*, *id*, *layer*, *name*, *stylename*, *tablebackground*, *textstylename*, *transform*, *x1*, *x2*, *y1*, *y2*, *zindex*.

These elements contain draw.Measure: *draw.G*, *draw.Page*, *draw.TextBox*, *office.Text*, *presentation.Notes*, *style.HandoutMaster*, *style.MasterPage*, *table.CoveredTableCell*, *table.Shapes*, *table.TableCell*, *text.A*, *text.Deletion*, *text.H*, *text.IndexBody*, *text.IndexTitle*, *text.NoteBody*, *text.P*, *text.RubyBase*, *text.Section*, *text.Span*.

The following elements occur in draw.Measure: *draw.GluePoint*, *office.EventListeners*, *text.List*, *text.P*.

5.6.31 draw.Object

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *actuate*, *href*, *notifyonupdateofranges*, *show*, *type*.

These elements contain draw.Object: *draw.Frame*.

The following elements occur in draw.Object: *math.Math*, *office.Document*.

5.6.32 draw.ObjectOle

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *actuate, classid, href, show, type.*

These elements contain draw.ObjectOle: *draw.Frame.*

The following elements occur in draw.ObjectOle: *office.BinaryData.*

5.6.33 draw.Opacity

Requires the following attributes: *style.*

Allows the following attributes: *angle, border, cx, cy, displayname, end, name, start, style.*

These elements contain draw.Opacity: *office.Styles.*

The following elements occur in draw.Opacity: *No element is allowed.*

5.6.34 draw.Page

Requires the following attributes: *masterpagename.*

Allows the following attributes: *id, masterpagename, name, presentationpagelayoutname, style, usedatetimenam, usefooternam, useheadernam.*

These elements contain draw.Page: *office.Drawing, office.Presentation.*

The following elements occur in draw.Page: *anim.Animate, anim.Animatecolor, anim.Animatemotion, anim.Animatetransform, anim.Audio, anim.Command, anim.Iterate, anim.Par, anim.Seq, anim.Set, anim.Transitionfilter, dr3d.Scene, draw.Caption, draw.Circle, draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.PageThumbnail, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon, office.Forms, presentation.Animations, presentation.Notes.*

5.6.35 draw.PageThumbnail

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *anchorpagenumber, anchortype, class, classnames, endcelladdress, endx, endy, height, id, layer, name, pagenumber, placeholder, style, tablebackground, transform, usertransformed, width, x, y, zindex.*

These elements contain draw.PageThumbnail: *draw.G, draw.Page, draw.TextBox, office.Text, presentation.Notes, style.HandoutMaster, style.MasterPage, table.CoveredTableCell, table.Shapes, table.TableCell, text.A, text.Deletion, text.H, text.IndexBody, text.IndexTitle, text.NoteBody, text.P, text.RubyBase, text.Section, text.Span.*

The following elements occur in draw.PageThumbnail: *No element is allowed.*

5.6.36 draw.Param

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *name, value.*

These elements contain draw.Param: *draw.Applet, draw.Plugin.*

The following elements occur in draw.Param: *No element is allowed.*

5.6.37 draw.Path

Requires the following attributes: *d, viewBox.*

Allows the following attributes: *anchorpagenumber, anchortype, classnames, d, endcelladdress, endx, endy, height, id, layer, name, style, tablebackground, textstyle, transform, viewBox, width, x, y, zindex.*

These elements contain draw.Path: *draw.G, draw.Page, draw.TextBox, office.Text,*

presentation.Notes, style.HandoutMaster, style.MasterPage, table.CoveredTableCell, table.Shapes, table.TableCell, text.A, text.Deletion, text.H, text.IndexBody, text.IndexTitle, text.NoteBody, text.P, text.RubyBase, text.Section, text.Span.

The following elements occur in *draw.Path*: *draw.GluePoint, office.EventListeners, text.List, text.P.*

5.6.38 draw.Plugin

Requires the following attributes: *href*.

Allows the following attributes: *actuate, href, mimetype, show, type.*

These elements contain *draw.Plugin*: *draw.Frame.*

The following elements occur in *draw.Plugin*: *draw.Param.*

5.6.39 draw.Polygon

Requires the following attributes: *points, viewbox.*

Allows the following attributes: *anchorpagenumber, anchortype, classnames, endcelladdress, endx, endy, height, id, layer, name, points, stylename, tablebackground, textstylename, transform, viewbox, width, x, y, zindex.*

These elements contain *draw.Polygon*: *draw.G, draw.Page, draw.TextBox, office.Text, presentation.Notes, style.HandoutMaster, style.MasterPage, table.CoveredTableCell, table.Shapes, table.TableCell, text.A, text.Deletion, text.H, text.IndexBody, text.IndexTitle, text.NoteBody, text.P, text.RubyBase, text.Section, text.Span.*

The following elements occur in *draw.Polygon*: *draw.GluePoint, office.EventListeners, text.List, text.P.*

5.6.40 draw.Polyline

Requires the following attributes: *points, viewbox.*

Allows the following attributes: *anchorpagenumber, anchortype, classnames, endcelladdress, endx, endy, height, id, layer, name, points, stylename, tablebackground, textstylename, transform, viewbox, width, x, y, zindex.*

These elements contain *draw.Polyline*: *draw.G, draw.Page, draw.TextBox, office.Text, presentation.Notes, style.HandoutMaster, style.MasterPage, table.CoveredTableCell, table.Shapes, table.TableCell, text.A, text.Deletion, text.H, text.IndexBody, text.IndexTitle, text.NoteBody, text.P, text.RubyBase, text.Section, text.Span.*

The following elements occur in *draw.Polyline*: *draw.GluePoint, office.EventListeners, text.List, text.P.*

5.6.41 draw.Rect

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *anchorpagenumber, anchortype, classnames, cornerradius, endcelladdress, endx, endy, height, id, layer, name, stylename, tablebackground, textstylename, transform, width, x, y, zindex.*

These elements contain *draw.Rect*: *draw.G, draw.Page, draw.TextBox, office.Text, presentation.Notes, style.HandoutMaster, style.MasterPage, table.CoveredTableCell, table.Shapes, table.TableCell, text.A, text.Deletion, text.H, text.IndexBody, text.IndexTitle, text.NoteBody, text.P, text.RubyBase, text.Section, text.Span.*

The following elements occur in *draw.Rect*: *draw.GluePoint, office.EventListeners, text.List, text.P.*

5.6.42 draw.RegularPolygon

Requires the following attributes: *corners.*

Allows the following attributes: *anchorpagenumber, anchortype, classnames, concave, corners, endcelladdress, endx, endy, height, id, layer, name, sharpness, stylename, tablebackground, textstylename, transform, width, x, y, zindex*.

These elements contain draw.RegularPolygon: *draw.G, draw.Page, draw.TextBox, office.Text, presentation.Notes, style.HandoutMaster, style.MasterPage, table.CoveredTableCell, table.Shapes, table.TableCell, text.A, text.Deletion, text.H, text.IndexBody, text.IndexTitle, text.NoteBody, text.P, text.RubyBase, text.Section, text.Span*.

The following elements occur in draw.RegularPolygon: *draw.GluePoint, office.EventListeners, text.List, text.P*.

5.6.43 draw.StrokeDash

Requires the following attributes: *name*.

Allows the following attributes: *displayname, distance, dots1, dots1length, dots2, dots2length, name, style*.

These elements contain draw.StrokeDash: *office.Styles*.

The following elements occur in draw.StrokeDash: *No element is allowed*.

5.6.44 draw.TextBox

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *chainnextname, cornerradius, maxheight, maxwidth, minheight, minwidth*.

These elements contain draw.TextBox: *draw.Frame*.

The following elements occur in draw.TextBox: *dr3d.Scene, draw.A, draw.Caption, draw.Circle, draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.PageThumbnail, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon, table.Table, text.AlphabeticalIndex, text.Bibliography, text.Change, text.ChangeEnd, text.ChangeStart, text.H, text.IllustrationIndex, text.List, text.NumberedParagraph, text.ObjectIndex, text.P, text.Section, text.TableIndex, text.TableOfContent, text.UserIndex*.

5.7 form module

5.7.1 form.Button

Requires the following attributes: *id*.

Allows the following attributes: *bind, buttontype, controlimplementation, defaultbutton, disabled, focusonclick, href, id, imagealign, imagedata, imageposition, label, name, printable, tabindex, tabstop, targetframe, title, toggle, value, xformssubmission*.

These elements contain form.Button: *form.Form*.

The following elements occur in form.Button: *form.Properties, office.EventListeners*.

5.7.2 form.Checkbox

Requires the following attributes: *id*.

Allows the following attributes: *bind, controlimplementation, currentstate, datafield, disabled, id, imagealign, imageposition, istristate, label, name, printable, state, tabindex, tabstop, title, value, visualeffect*.

These elements contain form.Checkbox: *form.Column, form.Form*.

The following elements occur in form.Checkbox: *form.Properties, office.EventListeners*.

5.7.3 form.Column

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *controlimplementation, label, name, textstyle*name.

These elements contain form.Column: *form.Grid.*

The following elements occur in form.Column: *form.Checkbox, form.Combobox, form.Date, form.FormattedText, form.Listbox, form.Number, form.Text, form.Textarea.*

5.7.4 form.Combobox

Requires the following attributes: *id.*

Allows the following attributes: *autocomplete, bind, controlimplementation, convertemptytonull, currentvalue, datafield, disabled, dropdown, id, listsource, listsourcetype, maxlength, name, printable, readonly, size, tabindex, tabstop, title, value.*

These elements contain form.Combobox: *form.Column, form.Form.*

The following elements occur in form.Combobox: *form.Item, form.Properties, office.EventListeners.*

5.7.5 form.ConnectionResource

Requires the following attributes: *href.*

Allows the following attributes: *href.*

These elements contain form.ConnectionResource: *form.Form, text.DatabaseDisplay, text.DatabaseName, text.DatabaseNext, text.DatabaseRowNumber, text.DatabaseRowSelect.*

The following elements occur in form.ConnectionResource: *No element is allowed.*

5.7.6 form.Date

Requires the following attributes: *id.*

Allows the following attributes: *bind, controlimplementation, convertemptytonull, currentvalue, datafield, disabled, id, maxlength, maxvalue, minvalue, name, printable, readonly, tabindex, tabstop, title, value.*

These elements contain form.Date: *form.Column, form.Form.*

The following elements occur in form.Date: *form.Properties, office.EventListeners.*

5.7.7 form.File

Requires the following attributes: *id.*

Allows the following attributes: *bind, controlimplementation, currentvalue, disabled, id, maxlength, name, printable, readonly, tabindex, tabstop, title, value.*

These elements contain form.File: *form.Form.*

The following elements occur in form.File: *form.Properties, office.EventListeners.*

5.7.8 form.FixedText

Requires the following attributes: *id.*

Allows the following attributes: *bind, controlimplementation, disabled, for, id, label, multiline, name, printable, title.*

These elements contain form.FixedText: *form.Form.*

The following elements occur in form.FixedText: *form.Properties, office.EventListeners.*

5.7.9 form.Form

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *actuate, allowdeletes, allowinserts, allowupdates, applyfilter, command, commandtype, controlimplementation, datasource, detailfields, enctype, escapeprocessing, filter, href, ignoreresult, masterfields, method, name, navigationmode, order, tabcycle, targetframe, type.*

These elements contain form.Form: *form.Form, office.Forms.*

The following elements occur in form.Form: *form.Button, form.Checkbox, form.Combobox, form.ConnectionResource, form.Date, form.File, form.FixedText, form.Form, form.FormattedText, form.Frame, form.GenericControl, form.Grid, form.Hidden, form.Image, form.ImageFrame, form.Listbox, form.Number, form.Password, form.Properties, form.Radio, form.Text, form.Textarea, form.Time, form.ValueRange, office.EventListeners.*

5.7.10 form.FormattedText

Requires the following attributes: *id.*

Allows the following attributes: *bind, controlimplementation, convertemptytonull, currentvalue, datafield, disabled, id, maxlength, maxvalue, minvalue, name, printable, readonly, tabindex, tabstop, title, validation, value.*

These elements contain form.FormattedText: *form.Column, form.Form.*

The following elements occur in form.FormattedText: *form.Properties, office.EventListeners.*

5.7.11 form.Frame

Requires the following attributes: *id.*

Allows the following attributes: *bind, controlimplementation, disabled, for, id, label, name, printable, title.*

These elements contain form.Frame: *form.Form.*

The following elements occur in form.Frame: *form.Properties, office.EventListeners.*

5.7.12 form.GenericControl

Requires the following attributes: *id.*

Allows the following attributes: *bind, controlimplementation, id, name.*

These elements contain form.GenericControl: *form.Form.*

The following elements occur in form.GenericControl: *form.Properties, office.EventListeners.*

5.7.13 form.Grid

Requires the following attributes: *id.*

Allows the following attributes: *bind, controlimplementation, disabled, id, name, printable, tabindex, tabstop, title.*

These elements contain form.Grid: *form.Form.*

The following elements occur in form.Grid: *form.Column, form.Properties, office.EventListeners.*

5.7.14 form.Hidden

Requires the following attributes: *id.*

Allows the following attributes: *bind, controlimplementation, id, name, value.*

These elements contain form.Hidden: *form.Form.*

The following elements occur in form.Hidden: *form.Properties, office.EventListeners.*

5.7.15 form.Image

Requires the following attributes: *id*.

Allows the following attributes: *bind, buttontype, controlimplementation, disabled, href, id, imagedata, name, printable, tabindex, tabstop, targetframe, title, value*.

These elements contain form.Image: *form.Form*.

The following elements occur in form.Image: *form.Properties, office.EventListeners*.

5.7.16 form.ImageFrame

Requires the following attributes: *id*.

Allows the following attributes: *bind, controlimplementation, datafield, disabled, id, imagedata, name, printable, readonly, title*.

These elements contain form.ImageFrame: *form.Form*.

The following elements occur in form.ImageFrame: *form.Properties, office.EventListeners*.

5.7.17 form.Item

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *label*.

These elements contain form.Item: *form.Combobox*.

The following elements occur in form.Item: *No element is allowed*.

5.7.18 form.ListProperty

Requires the following attributes: *propertyname*.

Allows the following attributes: *propertyname, valuetype*.

These elements contain form.ListProperty: *form.Properties*.

The following elements occur in form.ListProperty:

form.ListValueform.ListValueform.ListValueform.ListValueform.ListValueform.ListValueform.ListValue.

5.7.19 form.ListValue

Requires the following attributes: *stringvalue*.

Allows the following attributes: *stringvalue*.

These elements contain form.ListValue: *form.ListProperty*.

The following elements occur in form.ListValue: *No element is allowed*.

5.7.20 form.ListBox

Requires the following attributes: *id*.

Allows the following attributes: *bind, boundcolumn, controlimplementation, datafield, disabled, dropdown, id, listsource, listsourcetype, multiple, name, printable, size, tabindex, tabstop, title, xformslistsource*.

These elements contain form.ListBox: *form.Column, form.Form*.

The following elements occur in form.ListBox: *form.Option, form.Properties, office.EventListeners*.

5.7.21 form.Number

Requires the following attributes: *id*.

Allows the following attributes: *bind, controlimplementation, convertemptytonull, currentvalue, datafield, disabled, id, maxlength, maxvalue, minvalue, name, printable, readonly, tabindex*,

tabstop, title, value.

These elements contain form.Number: *form.Column, form.Form.*

The following elements occur in form.Number: *form.Properties, office.EventListeners.*

5.7.22 form.Option

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *currentselected, label, selected, value.*

These elements contain form.Option: *form.ListBox.*

The following elements occur in form.Option: *No element is allowed.*

5.7.23 form.Password

Requires the following attributes: *id.*

Allows the following attributes: *bind, controlimplementation, convertemptytonull, disabled, echochar, id, maxlength, name, printable, tabindex, tabstop, title, value.*

These elements contain form.Password: *form.Form.*

The following elements occur in form.Password: *form.Properties, office.EventListeners.*

5.7.24 form.Properties

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain form.Properties: *form.Button, form.Checkbox, form.Combobox, form.Date, form.File, form.FixedText, form.Form, form.FormattedText, form.Frame, form.GenericControl, form.Grid, form.Hidden, form.Image, form.ImageFrame, form.ListBox, form.Number, form.Password, form.Radio, form.Text, form.Textarea, form.Time, form.ValueRange.*

The following elements occur in form.Properties: *form.ListProperty, form.Property.*

5.7.25 form.Property

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *booleanvalue, currency, datevalue, propertyname, stringvalue, timevalue, value, valuetype.*

These elements contain form.Property: *form.Properties.*

The following elements occur in form.Property: *No element is allowed.*

5.7.26 form.Radio

Requires the following attributes: *id.*

Allows the following attributes: *bind, controlimplementation, currentselected, datafield, disabled, id, imagealign, imageposition, label, name, printable, selected, tabindex, tabstop, title, value, visualeffect.*

These elements contain form.Radio: *form.Form.*

The following elements occur in form.Radio: *form.Properties, office.EventListeners.*

5.7.27 form.Text

Requires the following attributes: *id.*

Allows the following attributes: *bind, controlimplementation, convertemptytonull, currentvalue, datafield, disabled, id, maxlength, name, printable, readonly, tabindex, tabstop, title, value.*

These elements contain form.Text: *form.Column, form.Form.*

The following elements occur in form.Text: *form.Properties, office.EventListeners.*

5.7.28 form.Textarea

Requires the following attributes: *id*.

Allows the following attributes: *bind, controlimplementation, convertemptytonull, currentvalue, datafield, disabled, id, maxlength, name, printable, readonly, tabindex, tabstop, title, value*.

These elements contain form.Textarea: *form.Column, form.Form*.

The following elements occur in form.Textarea: *form.Properties, office.EventListeners, text.P*.

5.7.29 form.Time

Requires the following attributes: *id*.

Allows the following attributes: *bind, controlimplementation, convertemptytonull, currentvalue, datafield, disabled, id, maxlength, maxvalue, minvalue, name, printable, readonly, tabindex, tabstop, title, value*.

These elements contain form.Time: *form.Form*.

The following elements occur in form.Time: *form.Properties, office.EventListeners*.

5.7.30 form.ValueRange

Requires the following attributes: *id*.

Allows the following attributes: *bind, controlimplementation, delayforrepeat, disabled, id, maxvalue, minvalue, name, orientation, pagestepsize, printable, stepsize, tabindex, tabstop, title, value*.

These elements contain form.ValueRange: *form.Form*.

The following elements occur in form.ValueRange: *form.Properties, office.EventListeners*.

5.8 manifest module

The manifest module is used to create the manifest. This is already done automatically by the software library, and there is no need to use this module unless you subclass the OpenDocument classes.

5.8.1 manifest.Algorithm

Requires the following attributes: *algorithmname, initialisationvector*.

Allows the following attributes: *algorithmname, initialisationvector*.

These elements contain manifest.Algorithm: *manifest.EncryptionData*.

The following elements occur in manifest.Algorithm: *No element is allowed*.

5.8.2 manifest.EncryptionData

Requires the following attributes: *checksum, checksumtype*.

Allows the following attributes: *checksum, checksumtype*.

These elements contain manifest.EncryptionData: *manifest.FileEntry*.

The following elements occur in manifest.EncryptionData: *manifest.Algorithm, manifest.KeyDerivation*.

5.8.3 manifest.FileEntry

Requires the following attributes: *fullpath, mediatype*.

Allows the following attributes: *fullpath, mediatype, size*.

These elements contain manifest.FileEntry: *manifest.Manifest*.

The following elements occur in manifest.FileEntry: *manifest.EncryptionData*.

5.8.4 manifest.KeyDerivation

Requires the following attributes: *iterationcount*, *keyderivationname*, *salt*.

Allows the following attributes: *iterationcount*, *keyderivationname*, *salt*.

These elements contain manifest.KeyDerivation: *manifest.EncryptionData*.

The following elements occur in manifest.KeyDerivation: *No element is allowed*.

5.8.5 manifest.Manifest

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain manifest.Manifest: *This is a toplevel element*.

The following elements occur in manifest.Manifest: *manifest.FileEntry*.

5.9 math module

5.9.1 math.Math

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain math.Math: *draw.Object*.

The following elements occur in math.Math: *Any element is allowed*.

5.10 meta module

Use the meta module to add information about the document such as title and author. The library automatically adds a generator string.

5.10.1 meta.AutoReload

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *actuate*, *delay*, *href*, *show*, *type*.

These elements contain meta.AutoReload: *office.Meta*.

The following elements occur in meta.AutoReload: *No element is allowed*.

5.10.2 meta.CreationDate

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain meta.CreationDate: *office.Meta*.

The following elements occur in meta.CreationDate: *No element is allowed*.

5.10.3 meta.DateString

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain meta.DateString: *office.Annotation*.

The following elements occur in meta.DateString: *No element is allowed*.

5.10.4 meta.DocumentStatistic

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *cellcount*, *charactercount*, *drawcount*, *framecount*, *imagecount*,

nonwhitespacecharactercount, objectcount, oleobjectcount, pagecount, paragraphcount, rowcount, sentencecount, syllablecount, tablecount, wordcount.

These elements contain meta.DocumentStatistic: *office.Meta*.

The following elements occur in meta.DocumentStatistic: *No element is allowed.*

5.10.5 meta.EditingCycles

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain meta.EditingCycles: *office.Meta*.

The following elements occur in meta.EditingCycles: *No element is allowed.*

5.10.6 meta.EditingDuration

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain meta.EditingDuration: *office.Meta*.

The following elements occur in meta.EditingDuration: *No element is allowed.*

5.10.7 meta.Generator

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain meta.Generator: *office.Meta*.

The following elements occur in meta.Generator: *No element is allowed.*

5.10.8 meta.HyperlinkBehaviour

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *show, targetframename.*

These elements contain meta.HyperlinkBehaviour: *office.Meta*.

The following elements occur in meta.HyperlinkBehaviour: *No element is allowed.*

5.10.9 meta.InitialCreator

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain meta.InitialCreator: *office.Meta*.

The following elements occur in meta.InitialCreator: *No element is allowed.*

5.10.10 meta.Keyword

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain meta.Keyword: *office.Meta*.

The following elements occur in meta.Keyword: *No element is allowed.*

5.10.11 meta.PrintDate

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain meta.PrintDate: *office.Meta*.

The following elements occur in meta.PrintDate: *No element is allowed.*

5.10.12 meta.PrintedBy

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain meta.PrintedBy: *office.Meta.*

The following elements occur in meta.PrintedBy: *No element is allowed.*

5.10.13 meta.Template

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *actuate, date, href, title, type.*

These elements contain meta.Template: *office.Meta.*

The following elements occur in meta.Template: *No element is allowed.*

5.10.14 meta.UserDefined

Requires the following attributes: *name.*

Allows the following attributes: *name, valuetype.*

These elements contain meta.UserDefined: *office.Meta.*

The following elements occur in meta.UserDefined: *No element is allowed.*

5.11 number module

5.11.1 number.AmPm

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain number.AmPm: *number.DateStyle, number.TimeStyle.*

The following elements occur in number.AmPm: *No element is allowed.*

5.11.2 number.Boolean

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain number.Boolean: *number.BooleanStyle.*

The following elements occur in number.Boolean: *No element is allowed.*

5.11.3 number.BooleanStyle

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *country, language, name, title, transliterationcountry, transliterationformat, transliterationlanguage, transliterationstyle, volatile.*

These elements contain number.BooleanStyle: *office.AutomaticStyles, office.Styles.*

The following elements occur in number.BooleanStyle: *number.Boolean, number.Text, style.Map, style.TextProperties.*

5.11.4 number.CurrencyStyle

Requires the following attributes: *name.*

Allows the following attributes: *automaticorder, country, language, name, title, transliterationcountry, transliterationformat, transliterationlanguage, transliterationstyle, volatile.*

These elements contain number.CurrencyStyle: *office.AutomaticStyles, office.Styles.*

The following elements occur in number.CurrencyStyle: *number.CurrencySymbol,*

number.Number, number.Text, style.Map, style.TextProperties.

5.11.5 number.CurrencySymbol

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *country, language.*

These elements contain number.CurrencySymbol: *number.CurrencyStyle.*

The following elements occur in number.CurrencySymbol: *No element is allowed.*

5.11.6 number.DateStyle

Requires the following attributes: *name.*

Allows the following attributes: *automaticorder, country, formatsource, language, name, title, transliterationcountry, transliterationformat, transliterationlanguage, transliterationstyle, volatile.*

These elements contain number.DateStyle: *office.AutomaticStyles, office.Styles.*

The following elements occur in number.DateStyle: *number.AmPm, number.Day, number.DayOfWeek, number.Era, number.Hours, number.Minutes, number.Month, number.Quarter, number.Seconds, number.Text, number.WeekOfYear, number.Year, style.Map, style.TextProperties.*

5.11.7 number.Day

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *calendar, style.*

These elements contain number.Day: *number.DateStyle.*

The following elements occur in number.Day: *No element is allowed.*

5.11.8 number.DayOfWeek

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *calendar, style.*

These elements contain number.DayOfWeek: *number.DateStyle.*

The following elements occur in number.DayOfWeek: *No element is allowed.*

5.11.9 number.EmbeddedText

Requires the following attributes: *position.*

Allows the following attributes: *position.*

These elements contain number.EmbeddedText: *number.Number.*

The following elements occur in number.EmbeddedText: *No element is allowed.*

5.11.10 number.Era

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *calendar, style.*

These elements contain number.Era: *number.DateStyle.*

The following elements occur in number.Era: *No element is allowed.*

5.11.11 number.Fraction

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *denominatorvalue, grouping, mindenominatordigits, minintegerdigits, minnumeratordigits.*

These elements contain number.Fraction: *number.NumberStyle.*

The following elements occur in number.Fraction: *No element is allowed.*

5.11.12 number.Hours

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *style.*

These elements contain number.Hours: *number.DateStyle, number.TimeStyle.*

The following elements occur in number.Hours: *No element is allowed.*

5.11.13 number.Minutes

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *style.*

These elements contain number.Minutes: *number.DateStyle, number.TimeStyle.*

The following elements occur in number.Minutes: *No element is allowed.*

5.11.14 number.Month

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *calendar, possessiveform, style, textual.*

These elements contain number.Month: *number.DateStyle.*

The following elements occur in number.Month: *No element is allowed.*

5.11.15 number.Number

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *decimalplaces, decimalreplacement, displayfactor, grouping, minintegerdigits.*

These elements contain number.Number: *number.CurrencyStyle, number.NumberStyle, number.PercentageStyle.*

The following elements occur in number.Number: *number.EmbeddedText.*

5.11.16 number.NumberStyle

Requires the following attributes: *name.*

Allows the following attributes: *country, language, name, title, transliterationcountry, transliterationformat, transliterationlanguage, transliterationstyle, volatile.*

These elements contain number.NumberStyle: *office.AutomaticStyles, office.Styles.*

The following elements occur in number.NumberStyle: *number.Fraction, number.Number, number.ScientificNumber, number.Text, style.Map, style.TextProperties.*

5.11.17 number.PercentageStyle

Requires the following attributes: *name.*

Allows the following attributes: *country, language, name, title, transliterationcountry, transliterationformat, transliterationlanguage, transliterationstyle, volatile.*

These elements contain number.PercentageStyle: *office.AutomaticStyles, office.Styles.*

The following elements occur in number.PercentageStyle: *number.Number, number.Text, style.Map, style.TextProperties.*

5.11.18 number.Quarter

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *calendar, style.*

These elements contain number.Quarter: *number.DateStyle*.

The following elements occur in number.Quarter: *No element is allowed*.

5.11.19 number.ScientificNumber

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *decimalplaces, grouping, minexponentdigits, minintegerdigits*.

These elements contain number.ScientificNumber: *number.NumberStyle*.

The following elements occur in number.ScientificNumber: *No element is allowed*.

5.11.20 number.Seconds

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *decimalplaces, style*.

These elements contain number.Seconds: *number.DateStyle, number.TimeStyle*.

The following elements occur in number.Seconds: *No element is allowed*.

5.11.21 number.Text

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain number.Text: *number.BooleanStyle, number.CurrencyStyle, number.DateStyle, number.NumberStyle, number.PercentageStyle, number.TextStyle, number.TimeStyle*.

The following elements occur in number.Text: *No element is allowed*.

5.11.22 number.TextContent

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain number.TextContent: *number.TextStyle*.

The following elements occur in number.TextContent: *No element is allowed*.

5.11.23 number.TextStyle

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *country, language, name, title, transliterationcountry, transliterationformat, transliterationlanguage, transliterationstyle, volatile*.

These elements contain number.TextStyle: *office.AutomaticStyles, office.Styles*.

The following elements occur in number.TextStyle: *number.Text, number.TextContent, style.Map, style.TextProperties*.

5.11.24 number.TimeStyle

Requires the following attributes: *name*.

Allows the following attributes: *country, formatsource, language, name, title, transliterationcountry, transliterationformat, transliterationlanguage, transliterationstyle, truncateonoverflow, volatile*.

These elements contain number.TimeStyle: *office.AutomaticStyles, office.Styles*.

The following elements occur in number.TimeStyle: *number.AmPm, number.Hours, number.Minutes, number.Seconds, number.Text, style.Map, style.TextProperties*.

5.11.25 number.WeekOfYear

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *calendar.*

These elements contain number.WeekOfYear: *number.DateStyle.*

The following elements occur in number.WeekOfYear: *No element is allowed.*

5.11.26 number.Year

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *calendar, style.*

These elements contain number.Year: *number.DateStyle.*

The following elements occur in number.Year: *No element is allowed.*

5.12 office module

5.12.1 office.Annotation

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *anchorpagenumber, anchortype, captionpointx, captionpointy, classnames, cornerradius, display, endcelladdress, endx, endy, height, id, layer, name, stylename, tablebackground, textstylename, transform, width, x, y, zindex.*

These elements contain office.Annotation: *table.CoveredTableCell, table.TableCell, text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in office.Annotation: *dc.Creator, dc.Date, meta.DateString, text.List, text.P.*

5.12.2 officeAutomaticStyles

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain officeAutomaticStyles: *office.Document, office.DocumentContent, office.DocumentStyles.*

The following elements occur in officeAutomaticStyles: *number.BooleanStyle, number.CurrencyStyle, number.DateStyle, number.NumberStyle, number.PercentageStyle, number.TextStyle, number.TimeStyle, style.PageLayout, style.Style, text.ListStyle.*

5.12.3 office.BinaryData

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain office.BinaryData: *draw.Image, draw.ObjectOle, style.BackgroundImage, text.ListLevelStyleImage.*

The following elements occur in office.BinaryData: *No element is allowed.*

5.12.4 office.Body

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain office.Body: *office.Document, office.DocumentContent.*

The following elements occur in office.Body: *office.Chart, office.Drawing, office.Image, office.Presentation, office.Spreadsheet, office.Text.*

5.12.5 office.ChangeInfo

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain office.ChangeInfo: *table.CellContentChange, table.Deletion, table.Insertion, table.Movement, text.Deletion, text.FormatChange, text.Insertion.*

The following elements occur in office.ChangeInfo: *dc.Creator, dc.Date, text.P.*

5.12.6 office.Chart

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain office.Chart: *office.Body.*

The following elements occur in office.Chart: *chart.Chart, table.CalculationSettings, table.Consolidation, table.ContentValidations, table.DataPilotTables, table.DatabaseRanges, table.DdeLinks, table.LabelRanges, table.NamedExpressions, text.AlphabeticalIndexAutoMarkFile, text.DdeConnectionDecls, text.SequenceDecls, text.UserFieldDecls, text.VariableDecls.*

5.12.7 office.DdeSource

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *automaticupdate, conversionmode, ddeapplication, ddeitem, ddetopic, name.*

These elements contain office.DdeSource: *table.DdeLink, table.Table, text.Section.*

The following elements occur in office.DdeSource: *No element is allowed.*

5.12.8 office.Document

Requires the following attributes: *mimetype.*

Allows the following attributes: *mimetype, version.*

These elements contain office.Document: *draw.Object.*

The following elements occur in office.Document: *office.AutomaticStyles, office.Body, office.FontFaceDecls, office.MasterStyles, office.Meta, office.Scripts, office.Settings, office.Styles.*

5.12.9 office.DocumentContent

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *version.*

These elements contain office.DocumentContent: *This is a toplevel element.*

The following elements occur in office.DocumentContent: *office.AutomaticStyles, office.Body, office.FontFaceDecls, office.Scripts.*

5.12.10 office.DocumentMeta

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *version.*

These elements contain office.DocumentMeta: *This is a toplevel element.*

The following elements occur in office.DocumentMeta: *office.Meta.*

5.12.11 office.DocumentSettings

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *version.*

These elements contain office.DocumentSettings: *This is a toplevel element.*
The following elements occur in office.DocumentSettings: *office.Settings.*

5.12.12 office.DocumentStyles

Requires the following attributes: *No attribute is required.*
Allows the following attributes: *version.*
These elements contain office.DocumentStyles: *This is a toplevel element.*
The following elements occur in office.DocumentStyles: *office.AutomaticStyles,*
office.FontFaceDecls, office.MasterStyles, office.Styles.

5.12.13 office.Drawing

Requires the following attributes: *No attribute is required.*
Allows the following attributes: *No attribute is allowed.*
These elements contain office.Drawing: *office.Body.*
The following elements occur in office.Drawing: *draw.Page, table.CalculationSettings,*
table.Consolidation, table.ContentValidations, table.DataPilotTables, table.DatabaseRanges,
table.DdeLinks, table.LabelRanges, table.NamedExpressions, text.AlphabeticalIndexAutoMarkFile,
text.DdeConnectionDecls, text.SequenceDecls, text.UserFieldDecls, text.VariableDecls.

5.12.14 office.EventListeners

Requires the following attributes: *No attribute is required.*
Allows the following attributes: *No attribute is allowed.*
These elements contain office.EventListeners: *draw.AreaCircle, draw.AreaPolygon,*
draw.AreaRectangle, draw.Caption, draw.Circle, draw.Connector, draw.CustomShape,
draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.Path, draw.Polygon,
draw.Polyline, draw.Rect, draw.RegularPolygon, form.Button, form.Checkbox, form.Combobox,
form.Date, form.File, form.FixedText, form.Form, form.FormattedText, form.Frame,
form.GenericControl, form.Grid, form.Hidden, form.Image, form.ImageFrame, form.Listbox,
form.Number, form.Password, form.Radio, form.Text, form.Textarea, form.Time, form.ValueRange,
office.Scripts, table.ContentValidation, text.A, text.ExecuteMacro.
The following elements occur in office.EventListeners: *presentation.EventListener,*
script.EventListener.

5.12.15 office.FontFaceDecls

Requires the following attributes: *No attribute is required.*
Allows the following attributes: *No attribute is allowed.*
These elements contain office.FontFaceDecls: *office.Document, office.DocumentContent,*
office.DocumentStyles.
The following elements occur in office.FontFaceDecls: *style.FontFace.*

5.12.16 office.Forms

Requires the following attributes: *No attribute is required.*
Allows the following attributes: *applydesignmode, automaticfocus.*
These elements contain office.Forms: *draw.Page, office.Text, style.MasterPage, table.Table.*
The following elements occur in office.Forms: *form.Form, xforms.Model.*

5.12.17 office.Image

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain office.Image: *office.Body*.

The following elements occur in office.Image: *draw.Frame*.

5.12.18 office.MasterStyles

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain office.MasterStyles: *office.Document*, *office.DocumentStyles*.

The following elements occur in office.MasterStyles: *draw.LayerSet*, *style.HandoutMaster*, *style.MasterPage*.

5.12.19 office.Meta

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain office.Meta: *office.Document*, *office.DocumentMeta*.

The following elements occur in office.Meta: *dc.Creator*, *dc.Date*, *dc.Description*, *dc.Language*, *dc.Subject*, *dc.Title*, *meta.AutoReload*, *meta.CreationDate*, *meta.DocumentStatistic*, *meta.EditingCycles*, *meta.EditingDuration*, *meta.Generator*, *meta.HyperlinkBehaviour*, *meta.InitialCreator*, *meta.Keyword*, *meta.PrintDate*, *meta.PrintedBy*, *meta.Template*, *meta.UserDefined*.

5.12.20 office.Presentation

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain office.Presentation: *office.Body*.

The following elements occur in office.Presentation: *draw.Page*, *presentation.DateTimeDecl*, *presentation.FooterDecl*, *presentation.HeaderDecl*, *presentation.Settings*, *table.CalculationSettings*, *table.Consolidation*, *table.ContentValidations*, *table.DataPilotTables*, *table.DatabaseRanges*, *table.DdeLinks*, *table.LabelRanges*, *table.NamedExpressions*, *text.AlphabeticalIndexAutoMarkFile*, *text.DdeConnectionDecls*, *text.SequenceDecls*, *text.UserFieldDecls*, *text.VariableDecls*.

5.12.21 office.Script

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *language*.

These elements contain office.Script: *office.Scripts*.

The following elements occur in office.Script: *Any element is allowed.*

5.12.22 office.Scripts

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain office.Scripts: *office.Document*, *office.DocumentContent*.

The following elements occur in office.Scripts: *office.EventListeners*, *office.Script*.

5.12.23 office.Settings

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain office.Settings: *office.Document, office.DocumentSettings.*

The following elements occur in office.Settings: *config.ConfigItemSet.*

5.12.24 office.Spreadsheet

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *protectionkey, structureprotected.*

These elements contain office.Spreadsheet: *office.Body.*

The following elements occur in office.Spreadsheet: *table.CalculationSettings, table.Consolidation, table.ContentValidations, table.DataPilotTables, table.DatabaseRanges, table.DdeLinks, table.LabelRanges, table.NamedExpressions, table.Table, table.TrackedChanges, text.AlphabeticalIndexAutoMarkFile, text.DdeConnectionDecls, text.SequenceDecls, text.UserFieldDecls, text.VariableDecls.*

5.12.25 office.Styles

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain office.Styles: *office.Document, office.DocumentStyles.*

The following elements occur in office.Styles: *draw.FillImage, draw.Gradient, draw.Hatch, draw.Marker, draw.Opacity, draw.StrokeDash, number.BooleanStyle, number.CurrencyStyle, number.DateStyle, number.NumberStyle, number.PercentageStyle, number.TextStyle, number.TimeStyle, style.DefaultStyle, style.PresentationPageLayout, style.Style, svg.Lineargradient, svg.Radialgradient, text.BibliographyConfiguration, text.LinenumberingConfiguration, text.ListStyle, text.NotesConfiguration, text.OutlineStyle.*

5.12.26 office.Text

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *global.*

These elements contain office.Text: *office.Body.*

The following elements occur in office.Text: *dr3d.Scene, draw.A, draw.Caption, draw.Circle, draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.PageThumbnail, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon, office.Forms, table.CalculationSettings, table.Consolidation, table.ContentValidations, table.DataPilotTables, table.DatabaseRanges, table.DdeLinks, table.LabelRanges, table.NamedExpressions, table.Table, text.AlphabeticalIndex, text.AlphabeticalIndexAutoMarkFile, text.Bibliography, text.Change, text.ChangeEnd, text.ChangeStart, text.DdeConnectionDecls, text.H, text.IllustrationIndex, text.List, text.NumberedParagraph, text.ObjectIndex, text.P, text.PageSequence, text.Section, text.SequenceDecls, text.TableIndex, text.TableOfContent, text.TrackedChanges, text.UserFieldDecls, text.UserIndex, text.VariableDecls.*

5.13 presentation module

5.13.1 presentation.AnimationGroup

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain presentation.AnimationGroup: *presentation.Animations.*

The following elements occur in presentation.AnimationGroup: *presentation.Dim, presentation.HideShape, presentation.HideText, presentation.Play, presentation.ShowShape, presentation.ShowText.*

5.13.2 presentation.Animations

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain presentation.Animations: *draw.Page.*

The following elements occur in presentation.Animations: *presentation.AnimationGroup, presentation.Dim, presentation.HideShape, presentation.HideText, presentation.Play, presentation.ShowShape, presentation.ShowText.*

5.13.3 presentation.DateTime

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain presentation.DateTime: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in presentation.DateTime: *No element is allowed.*

5.13.4 presentation.DateTimeDecl

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *datastyle, name, source.*

These elements contain presentation.DateTimeDecl: *office.Presentation.*

The following elements occur in presentation.DateTimeDecl: *No element is allowed.*

5.13.5 presentation.Dim

Requires the following attributes: *color, shapeid.*

Allows the following attributes: *color, shapeid.*

These elements contain presentation.Dim: *presentation.AnimationGroup, presentation.Animations.*

The following elements occur in presentation.Dim: *presentation.Sound.*

5.13.6 presentation.EventListener

Requires the following attributes: *action, eventname.*

Allows the following attributes: *action, actuate, direction, effect, eventname, href, show, speed, startscale, type, verb.*

These elements contain presentation.EventListener: *office.EventListeners.*

The following elements occur in presentation.EventListener: *presentation.Sound.*

5.13.7 presentation.Footer

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain presentation.Footer: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in presentation.Footer: *No element is allowed.*

5.13.8 presentation.FooterDecl

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *name*.

These elements contain presentation.FooterDecl: *office.Presentation*.

The following elements occur in presentation.FooterDecl: *No element is allowed*.

5.13.9 presentation.Header

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain presentation.Header: *text.A, text.H, text.P, text.RubyBase, text.Span*.

The following elements occur in presentation.Header: *No element is allowed*.

5.13.10 presentation.HeaderDecl

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *name*.

These elements contain presentation.HeaderDecl: *office.Presentation*.

The following elements occur in presentation.HeaderDecl: *No element is allowed*.

5.13.11 presentation.HideShape

Requires the following attributes: *shapeid*.

Allows the following attributes: *delay, direction, effect, pathid, shapeid, speed, startscale*.

These elements contain presentation.HideShape: *presentation.AnimationGroup, presentation.Animations*.

The following elements occur in presentation.HideShape: *presentation.Sound*.

5.13.12 presentation.HideText

Requires the following attributes: *shapeid*.

Allows the following attributes: *delay, direction, effect, pathid, shapeid, speed, startscale*.

These elements contain presentation.HideText: *presentation.AnimationGroup, presentation.Animations*.

The following elements occur in presentation.HideText: *presentation.Sound*.

5.13.13 presentation.Notes

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *pagelayoutname, stylename, usedatetime, usefootername, useheadername*.

These elements contain presentation.Notes: *draw.Page, style.MasterPage*.

The following elements occur in presentation.Notes: *dr3d.Scene, draw.Caption, draw.Circle, draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.PageThumbnail, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon*.

5.13.14 presentation.Placeholder

Requires the following attributes: *height, object, width, x, y*.

Allows the following attributes: *height, object, width, x, y*.

These elements contain presentation.Placeholder: *style.PresentationPageLayout*.

The following elements occur in presentation.Placeholder: *No element is allowed*.

5.13.15 presentation.Play

Requires the following attributes: *shapeid*.

Allows the following attributes: *shapeid*, *speed*.

These elements contain presentation.Play: *presentation.AnimationGroup*, *presentation.Animations*.

The following elements occur in presentation.Play: *No element is allowed*.

5.13.16 presentation.Settings

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *animations*, *endless*, *forcemanual*, *fullscreen*, *mouseaspen*, *mousevisible*, *pause*, *show*, *showlogo*, *startpage*, *startwithnavigator*, *stayontop*, *transitiononclick*.

These elements contain presentation.Settings: *office.Presentation*.

The following elements occur in presentation.Settings: *presentation.Show*.

5.13.17 presentation.Show

Requires the following attributes: *name*, *pages*.

Allows the following attributes: *name*, *pages*.

These elements contain presentation.Show: *presentation.Settings*.

The following elements occur in presentation.Show: *No element is allowed*.

5.13.18 presentation.ShowShape

Requires the following attributes: *shapeid*.

Allows the following attributes: *delay*, *direction*, *effect*, *pathid*, *shapeid*, *speed*, *startscale*.

These elements contain presentation.ShowShape: *presentation.AnimationGroup*, *presentation.Animations*.

The following elements occur in presentation.ShowShape: *presentation.Sound*.

5.13.19 presentation.ShowText

Requires the following attributes: *shapeid*.

Allows the following attributes: *delay*, *direction*, *effect*, *pathid*, *shapeid*, *speed*, *startscale*.

These elements contain presentation.ShowText: *presentation.AnimationGroup*, *presentation.Animations*.

The following elements occur in presentation.ShowText: *presentation.Sound*.

5.13.20 presentation.Sound

Requires the following attributes: *href*.

Allows the following attributes: *actuate*, *href*, *playfull*, *show*, *type*.

These elements contain presentation.Sound: *presentation.Dim*, *presentation.EventListener*, *presentation.HideShape*, *presentation.HideText*, *presentation.ShowShape*, *presentation.ShowText*, *style.DrawingPageProperties*.

The following elements occur in presentation.Sound: *No element is allowed*.

5.14 script module

5.14.1 script.EventListener

Requires the following attributes: *eventname*, *language*.

Allows the following attributes: *actuate*, *eventname*, *href*, *language*, *macroname*, *type*.

These elements contain script.EventListener: *office.EventListeners*.

The following elements occur in script.EventListener: *No element is allowed*.

5.15 style module

5.15.1 style.BackgroundImage

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *actuate, filtername, href, opacity, position, repeat, show, type*.

These elements contain style.BackgroundImage: *style.GraphicProperties, style.HeaderFooterProperties, style.PageLayoutProperties, style.ParagraphProperties, style.SectionProperties, style.TableCellProperties, style.TableProperties, style.TableRowProperties*.

The following elements occur in style.BackgroundImage: *office.BinaryData*.

5.15.2 style.ChartProperties

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *connectbars, datalabelnumber, datalabelsymbol, datalabeltext, deep, direction, displaylabel, errorcategory, errorlowerindicator, errorlowerlimit, errormargin, errorpercentage, errorupperindicator, errorupperlimit, gapwidth, interpolation, intervalmajor, intervalminor, japanesecandlestick, labelarrangement, linebreak, lines, linkdatastyletosource, logarithmic, maximum, meanvalue, minimum, origin, overlap, percentage, pieoffset, regressiontype, rotationangle, scaletext, seriessource, solidtype, splineorder, splineresolution, stacked, symbolheight, symboltype, symbolwidth, textoverlap, threedimensional, tickmarksmajorinner, tickmarksmajorouter, tickmarksminorinner, tickmarksminorouter, vertical, visible*.

These elements contain style.ChartProperties: *style.DefaultStyle, style.Style*.

The following elements occur in style.ChartProperties: *chart.SymbolImage*.

5.15.3 style.Column

Requires the following attributes: *relwidth*.

Allows the following attributes: *endindent, relwidth, spaceafter, spacebefore, startindent*.

These elements contain style.Column: *style.Columns*.

The following elements occur in style.Column: *No element is allowed*.

5.15.4 style.ColumnSep

Requires the following attributes: *width*.

Allows the following attributes: *color, height, style, verticalalign, width*.

These elements contain style.ColumnSep: *style.Columns*.

The following elements occur in style.ColumnSep: *No element is allowed*.

5.15.5 style.Columns

Requires the following attributes: *columncount*.

Allows the following attributes: *columncount, columnngap*.

These elements contain style.Columns: *style.GraphicProperties, style.PageLayoutProperties, style.SectionProperties*.

The following elements occur in style.Columns: *style.Column, style.ColumnSep*.

5.15.6 style.DefaultStyle

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *family.*

These elements contain style.DefaultStyle: *office.Styles.*

The following elements occur in style.DefaultStyle: *style.ChartProperties, style.DrawingPageProperties, style.GraphicProperties, style.ParagraphProperties, style.RubyProperties, style.SectionProperties, style.TableCellProperties, style.TableColumnProperties, style.TableProperties, style.TableRowProperties, style.TextProperties.*

5.15.7 style.DrawingPageProperties

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *backgroundobjectsvisible, backgroundsize, backgroundvisible, direction, displaydatetime, displayfooter, displayheader, displaypagenumber, duration, fadecolor, fill, fillcolor, fillgradientname, fillhatchname, fillhatchsolid, fillimageheight, fillimagename, fillimagerefpoint, fillimagerefpointx, fillimagerefpointy, fillimagewidth, fillrule, gradientstepcount, opacity, opacityname, repeat, secondaryfillcolor, subtype, tilerepeatoffset, transitionspeed, transitionstyle, transitiontype, type, visibility.*

These elements contain style.DrawingPageProperties: *style.DefaultStyle, style.Style.*

The following elements occur in style.DrawingPageProperties: *presentation.Sound.*

5.15.8 style.DropCap

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *distance, length, lines, stylename.*

These elements contain style.DropCap: *style.ParagraphProperties.*

The following elements occur in style.DropCap: *No element is allowed.*

5.15.9 style.FontFace

Requires the following attributes: *name.*

Allows the following attributes: *accentheight, alphabetic, ascent, bbox, capheight, descent, fontadornments, fontcharset, fontfamily, fontfamilygeneric, fontpitch, fontsize, fontstretch, fontstyle, fontvariant, fontweight, hanging, ideographic, mathematical, name, overlineposition, overlinethickness, panosel, slope, stemh, stemv, strikethroughposition, strikethroughthickness, underlineposition, underlinethickness, unicoderange, unitsperem, valphabetic, vhanging, videographic, vmathematical, widths, xheight.*

These elements contain style.FontFace: *office.FontFaceDecls.*

The following elements occur in style.FontFace: *svg.DefinitionSrc, svg.FontFaceSrc.*

5.15.10 style.Footer

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *display, dynamicspacing.*

These elements contain style.Footer: *style.MasterPage.*

The following elements occur in style.Footer: *style.RegionCenter, style.RegionLeft, style.RegionRight, table.Table, text.AlphabeticalIndex, text.AlphabeticalIndexAutoMarkFile, text.Bibliography, text.Change, text.ChangeEnd, text.ChangeStart, text.DdeConnectionDecls, text.H, text.IllustrationIndex, text.IndexTitle, text.List, text.ObjectIndex, text.P, text.Section, text.SequenceDecls, text.TableIndex, text.TableOfContent, text.UserFieldDecls, text.UserIndex,*

text.VariableDecls.

5.15.11 style.FooterLeft

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *display, dynamicspacing.*

These elements contain style.FooterLeft: *style.MasterPage.*

The following elements occur in style.FooterLeft: *style.RegionCenter, style.RegionLeft, style.RegionRight, table.Table, text.AlphabeticalIndex, text.AlphabeticalIndexAutoMarkFile, text.Bibliography, text.Change, text.ChangeEnd, text.ChangeStart, text.DdeConnectionDecls, text.H, text.IllustrationIndex, text.IndexTitle, text.List, text.ObjectIndex, text.P, text.Section, text.SequenceDecls, text.TableIndex, text.TableOfContent, text.UserFieldDecls, text.UserIndex, text.VariableDecls.*

5.15.12 style.FooterStyle

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain style.FooterStyle: *style.PageLayout.*

The following elements occur in style.FooterStyle: *style.HeaderFooterProperties.*

5.15.13 style.FootnoteSep

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *adjustment, color, distanceaftersep, distancebeforesep, linestyle, relwidth, width.*

These elements contain style.FootnoteSep: *style.PageLayoutProperties.*

The following elements occur in style.FootnoteSep: *No element is allowed.*

5.15.14 style.GraphicProperties

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *ambientcolor, anchorpagenumber, anchortype, animation, animationdelay, animationdirection, animationrepeat, animationstartinside, animationsteps, animationstopinside, autogrowheight, autogrowwidth, backfaceculling, backgroundcolor, backscale, blue, border, borderbottom, borderleft, borderlinewidth, borderlinewidthbottom, borderlinewidthleft, borderlinewidthright, borderlinewidthtop, borderright, bordertop, captionangle, captionangletype, captionescape, captionescapedirection, captionfitlinelength, captiongap, captionlinelength, captiontype, clip, closeback, closefront, colorinversion, colormode, contrast, decimalplaces, depth, diffusecolor, edgerounding, edgeroundingmode, editable, emissivecolor, endangle, endguide, endlinespacinghorizontal, endlinespacingvertical, fill, fillcolor, fillgradientname, fillhatchname, fillhatchsolid, fillimageheight, fillimagenam, fillimagerefpoint, fillimagerefpointx, fillimagerefpointy, fillimagewidth, fillrule, fittocontour, fittosize, flowwithtext, framedisplayborder, framedisplayscrollbar, framemarginhorizontal, framemarginvertical, gamma, gradientstepcount, green, guidedistance, guideoverhang, height, horizontalpos, horizontalrel, horizontalsegments, imageopacity, lightingmode, linedistance, luminance, margin, marginbottom, marginleft, marginright, margintop, markerend, markerendcenter, markerendwidth, markerstart, markerstartcenter, markerstartwidth, maxheight, maxwidth, measurealign, measureverticalalign, minheight, minwidth, mirror, normalsdirection, normalskind, numberwrappedparagraphs, oledrawaspect, opacity, opacityname, overflowbehavior, padding, paddingbottom, paddingleft, paddingright, paddingtop, parallel, placing, printcontent, protect, red, relheight, relwidth, repeat, runthrough, secondaryfillcolor, shadow, shadow, shadow, shadowcolor, shadowoffsetx,*

shadowoffset, shadowopacity, shininess, showunit, specularcolor, startguide, startlinespacinghorizontal, startlinespacingvertical, stroke, strokecolor, strokedash, strokedashnames, strokelinejoin, strokeopacity, strokewidth, symbolcolor, textareahorizontalalign, textareaverticalalign, texturefilter, texturegenerationmodex, texturegenerationmodey, texturekind, texturemode, tilerepeatoffset, unit, verticalpos, verticalrel, verticalsegments, visibleareaheight, visiblearealeft, visibleareatop, visibleareawidth, width, wrap, wrapcontour, wrapcontourmode, wrapdynamicthreshold, wrapinfluenceonposition, wrapoption, x, y.

These elements contain style.GraphicProperties: *style.DefaultStyle, style.Style.*

The following elements occur in style.GraphicProperties: *style.BackgroundImage, style.Columns, text.ListStyle.*

5.15.15 style.HandoutMaster

Requires the following attributes: *pagelayoutname.*

Allows the following attributes: *pagelayoutname, presentationpagelayoutname, stylename, usedatetime, usefootername, useheadername.*

These elements contain style.HandoutMaster: *office.MasterStyles.*

The following elements occur in style.HandoutMaster: *dr3d.Scene, draw.Caption, draw.Circle, draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.PageThumbnail, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon.*

5.15.16 style.Header

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *display, dynamicspacing.*

These elements contain style.Header: *style.MasterPage.*

The following elements occur in style.Header: *style.RegionCenter, style.RegionLeft, style.RegionRight, table.Table, text.AlphabeticalIndex, text.AlphabeticalIndexAutoMarkFile, text.Bibliography, text.Change, text.ChangeEnd, text.ChangeStart, text.DdeConnectionDecls, text.H, text.IllustrationIndex, text.IndexTitle, text.List, text.ObjectIndex, text.P, text.Section, text.SequenceDecls, text.TableIndex, text.TableOfContent, text.UserFieldDecls, text.UserIndex, text.VariableDecls.*

5.15.17 style.HeaderFooterProperties

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *backgroundcolor, border, borderbottom, borderleft, borderlinewidth, borderlinewidthbottom, borderlinewidthleft, borderlinewidthright, borderlinewidthtop, borderright, bordertop, height, margin, marginbottom, marginleft, marginright, margintop, minheight, padding, paddingbottom, paddingleft, paddingright, paddingtop, shadow.*

These elements contain style.HeaderFooterProperties: *style.FooterStyle, style.HeaderStyle.*

The following elements occur in style.HeaderFooterProperties: *style.BackgroundImage.*

5.15.18 style.HeaderLeft

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *display, dynamicspacing.*

These elements contain style.HeaderLeft: *style.MasterPage.*

The following elements occur in style.HeaderLeft: *style.RegionCenter, style.RegionLeft, style.RegionRight, table.Table, text.AlphabeticalIndex, text.AlphabeticalIndexAutoMarkFile,*

text.Bibliography, text.Change, text.ChangeEnd, text.ChangeStart, text.DdeConnectionDecls, text.H, text.IllustrationIndex, text.IndexTitle, text.List, text.ObjectIndex, text.P, text.Section, text.SequenceDecls, text.TableIndex, text.TableOfContent, text.UserFieldDecls, text.UserIndex, text.VariableDecls.

5.15.19 style.HeaderStyle

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain style.HeaderStyle: *style.PageLayout.*

The following elements occur in style.HeaderStyle: *style.HeaderFooterProperties.*

5.15.20 style.ListLevelProperties

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fontname, height, minlabeldistance, minlabelwidth, spacebefore, textalign, verticalpos, verticalrel, width.*

These elements contain style.ListLevelProperties: *text.ListLevelStyleBullet, text.ListLevelStyleImage, text.ListLevelStyleNumber, text.OutlineLevelStyle.*

The following elements occur in style.ListLevelProperties: *No element is allowed.*

5.15.21 style.Map

Requires the following attributes: *applystylename, condition.*

Allows the following attributes: *applystylename, basecelladdress, condition.*

These elements contain style.Map: *number.BooleanStyle, number.CurrencyStyle, number.DateStyle, number.NumberStyle, number.PercentageStyle, number.TextStyle, number.TimeStyle, style.Style.*

The following elements occur in style.Map: *No element is allowed.*

5.15.22 style.MasterPage

Requires the following attributes: *name, pagelayoutname.*

Allows the following attributes: *displayname, name, nextstylename, pagelayoutname, stylename.*

These elements contain style.MasterPage: *office.MasterStyles.*

The following elements occur in style.MasterPage: *dr3d.Scene, draw.Caption, draw.Circle, draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.PageThumbnail, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon, office.Forms, presentation.Notes, style.Footer, style.FooterLeft, style.Header, style.HeaderLeft, style.Style.*

5.15.23 style.PageLayout

Requires the following attributes: *name.*

Allows the following attributes: *name, pageusage.*

These elements contain style.PageLayout: *officeAutomaticStyles.*

The following elements occur in style.PageLayout: *style.FooterStyle, style.HeaderStyle, style.PageLayoutProperties.*

5.15.24 style.PageLayoutProperties

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *name, pageusage.*

These elements contain style.PageLayoutProperties: *style.PageLayout*.

The following elements occur in style.PageLayoutProperties: *style.BackgroundImage*, *style.Columns*, *style.FootnoteSep*.

5.15.25 style.ParagraphProperties

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *autotextindent*, *backgroundcolor*, *backgroundtransparency*, *border*, *borderbottom*, *borderleft*, *borderlinewidth*, *borderlinewidthbottom*, *borderlinewidthleft*, *borderlinewidthright*, *borderlinewidthtop*, *borderright*, *bordertop*, *breakafter*, *breakbefore*, *fontindependentlinespacing*, *hyphenationkeep*, *hyphenationladdercount*, *justifysingleword*, *keepttogether*, *keepwithnext*, *linebreak*, *lineheight*, *lineheightatleast*, *linenumber*, *linespacing*, *margin*, *marginbottom*, *marginleft*, *marginright*, *marginbottom*, *padding*, *paddingbottom*, *paddingleft*, *paddingright*, *paddingtop*, *pagenumber*, *punctuationwrap*, *registertrue*, *shadow*, *snaptolayoutgrid*, *tabstopdistance*, *textalign*, *textalignlast*, *textautospace*, *textindent*, *verticalalign*, *widows*, *writingmode*, *writingmodeautomatic*.

These elements contain style.ParagraphProperties: *style.DefaultStyle*, *style.Style*.

The following elements occur in style.ParagraphProperties: *style.BackgroundImage*, *style.DropCap*, *style.TabStops*.

5.15.26 style.PresentationPageLayout

Requires the following attributes: *name*.

Allows the following attributes: *displayname*, *name*.

These elements contain style.PresentationPageLayout: *office.Styles*.

The following elements occur in style.PresentationPageLayout: *presentation.Placeholder*.

5.15.27 style.RegionCenter

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain style.RegionCenter: *style.Footer*, *style.FooterLeft*, *style.Header*, *style.HeaderLeft*.

The following elements occur in style.RegionCenter: *text.P*.

5.15.28 style.RegionLeft

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain style.RegionLeft: *style.Footer*, *style.FooterLeft*, *style.Header*, *style.HeaderLeft*.

The following elements occur in style.RegionLeft: *text.P*.

5.15.29 style.RegionRight

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain style.RegionRight: *style.Footer*, *style.FooterLeft*, *style.Header*, *style.HeaderLeft*.

The following elements occur in style.RegionRight: *text.P*.

5.15.30 style.RubyProperties

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *rubyalign, rubyposition.*

These elements contain style.RubyProperties: *style.DefaultStyle, style.Style.*

The following elements occur in style.RubyProperties: *No element is allowed.*

5.15.31 style.SectionProperties

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *donbalancetextcolumns, protect, writingmode.*

These elements contain style.SectionProperties: *style.DefaultStyle, style.Style.*

The following elements occur in style.SectionProperties: *style.BackgroundImage, style.Columns, text.NotesConfiguration.*

5.15.32 style.Style

Requires the following attributes: *name.*

Allows the following attributes: *autoupdate, class, datastyle, defaultoutlinelevel, displayname, family, liststyle, masterpagename, name, nextstyle, parentstyle.*

These elements contain style.Style: *office.AutomaticStyles, office.Styles, style.MasterPage.*

The following elements occur in style.Style: *style.ChartProperties, style.DrawingPageProperties, style.GraphicProperties, style.Map, style.ParagraphProperties, style.RubyProperties, style.SectionProperties, style.TableCellProperties, style.TableColumnProperties, style.TableProperties, style.TableRowProperties, style.TextProperties.*

5.15.33 style.TabStop

Requires the following attributes: *position.*

Allows the following attributes: *char, leadercolor, leaderstyle, leadertext, leadertextstyle, leadertype, leaderwidth, position, type.*

These elements contain style.TabStop: *style.TabStop.*

The following elements occur in style.TabStop: *No element is allowed.*

5.15.34 style.TabStop

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain style.TabStop: *style.ParagraphProperties.*

The following elements occur in style.TabStop: *style.TabStop.*

5.15.35 style.TableCellProperties

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *backgroundcolor, border, borderbottom, borderleft, borderlinewidth, borderlinewidthbottom, borderlinewidthleft, borderlinewidthright, borderlinewidthtop, borderright, bordertop, cellprotect, decimalplaces, diagonalbltr, diagonalbltrwidths, diagonalbltr, diagonalbltrwidths, direction, glyphorientationvertical, padding, paddingbottom, paddingleft, paddingright, paddingtop, printcontent, repeatcontent, rotationalalign, rotationangle, shadow, shrinktofit, textalignsource, verticalalign, wrapoption.*

These elements contain style.TableCellProperties: *style.DefaultStyle, style.Style.*

The following elements occur in style.TableCellProperties: *style.BackgroundImage.*

5.15.36 style.TableColumnProperties

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *breakafter, breakbefore, columnwidth, relcolumnwidth, useoptimalcolumnwidth.*

These elements contain style.TableColumnProperties: *style.DefaultStyle, style.Style.*

The following elements occur in style.TableColumnProperties: *No element is allowed.*

5.15.37 style.TableProperties

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *align, backgroundcolor, bordermodel, breakafter, breakbefore, display, keepwithnext, margin, marginbottom, marginleft, marginright, margintop, maybreakbetweenrows, pagenumber, relwidth, shadow, width, writingmode.*

These elements contain style.TableProperties: *style.DefaultStyle, style.Style.*

The following elements occur in style.TableProperties: *style.BackgroundImage.*

5.15.38 style.TableRowProperties

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *backgroundcolor, breakafter, breakbefore, keeptogether, minrowheight, rowheight, useoptimalrowheight.*

These elements contain style.TableRowProperties: *style.DefaultStyle, style.Style.*

The following elements occur in style.TableRowProperties: *style.BackgroundImage.*

5.15.39 style.TextProperties

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *backgroundcolor, color, condition, country, countryasian, countrycomplex, display, fontcharset, fontfamily, fontfamilyasian, fontfamilycomplex, fontfamilygeneric, fontfamilygenericasian, fontfamilygenericcomplex, fontname, fontpitch, fontpitchasian, fontpitchcomplex, fontrelief, fontsize, fontsizeasian, fontsizecomplex, fontsizeerel, fontsizeerelasian, fontsizeerelcomplex, fontstyle, fontstyleasian, fontstylecomplex, fontstylename, fontstylenameasian, fontstylenamecomplex, fontvariant, fontweight, fontweightasian, fontweightcomplex, hyphenate, hyphenationpushcharcount, hyphenationremaincharcount, language, languageasian, languagecomplex, letterkerning, letterspacing, scripttype, textblinking, textcombine, textcombineendchar, textcombinestartchar, textemphasize, textlinethroughcolor, textlinethroughmode, textlinethroughstyle, textlinethroughtext, textlinethroughtextstyle, textlinethroughtype, textlinethroughwidth, textoutline, textposition, textrotationangle, textrotationscale, textscale, textshadow, texttransform, textunderline, textunderlinecolor, textunderlinemode, textunderlinestyle, textunderlinetype, textunderlinewidth, usewindowfontcolor.*

These elements contain style.TextProperties: *number.BooleanStyle, number.CurrencyStyle, number.DateStyle, number.NumberStyle, number.PercentageStyle, number.TextStyle, number.TimeStyle, style.DefaultStyle, style.Style, text.ListLevelStyleBullet, text.ListLevelStyleNumber, text.OutlineLevelStyle.*

The following elements occur in style.TextProperties: *No element is allowed.*

5.16 svg module

5.16.1 svg.DefinitionSrc

Requires the following attributes: *href.*

Allows the following attributes: *actuate*, *href*, *type*.

These elements contain `svg.DefinitionSrc`: *style.FontFace*.

The following elements occur in `svg.DefinitionSrc`: *No element is allowed*.

5.16.2 `svg.Desc`

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain `svg.Desc`: *draw.AreaCircle*, *draw.AreaPolygon*, *draw.AreaRectangle*, *draw.Frame*.

The following elements occur in `svg.Desc`: *No element is allowed*.

5.16.3 `svg.FontFaceFormat`

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *string*.

These elements contain `svg.FontFaceFormat`: *svg.FontFaceUri*.

The following elements occur in `svg.FontFaceFormat`: *No element is allowed*.

5.16.4 `svg.FontFaceName`

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *name*.

These elements contain `svg.FontFaceName`: *svg.FontFaceSrc*.

The following elements occur in `svg.FontFaceName`: *No element is allowed*.

5.16.5 `svg.FontFaceSrc`

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain `svg.FontFaceSrc`: *style.FontFace*.

The following elements occur in `svg.FontFaceSrc`: *svg.FontFaceName*, *svg.FontFaceUri*.

5.16.6 `svg.FontFaceUri`

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *actuate*, *href*, *type*.

These elements contain `svg.FontFaceUri`: *svg.FontFaceSrc*.

The following elements occur in `svg.FontFaceUri`: *svg.FontFaceFormat*.

5.16.7 `svg.Lineargradient`

Requires the following attributes: *name*.

Allows the following attributes: *displayname*, *gradienttransform*, *gradientunits*, *name*, *spreadmethod*, *x1*, *x2*, *y1*, *y2*.

These elements contain `svg.Lineargradient`: *office.Styles*.

The following elements occur in `svg.Lineargradient`: *svg.Stop*.

5.16.8 `svg.Radialgradient`

Requires the following attributes: *name*.

Allows the following attributes: *cx*, *cy*, *displayname*, *fx*, *fy*, *gradienttransform*, *gradientunits*, *name*, *r*, *spreadmethod*.

These elements contain `svg.Radialgradient`: *office.Styles*.

The following elements occur in `svg.Radialgradient`: `svg.Stop`.

5.16.9 `svg.Stop`

Requires the following attributes: *offset*.

Allows the following attributes: *offset*, *stopcolor*, *stopopacity*.

These elements contain `svg.Stop`: `svg.Lineargradient`, `svg.Radialgradient`.

The following elements occur in `svg.Stop`: *No element is allowed*.

5.17 `table module`

5.17.1 `table.Body`

Requires the following attributes: *stylename*.

Allows the following attributes: *stylename*.

These elements contain `table.Body`: `table.TableTemplate`.

The following elements occur in `table.Body`: *No element is allowed*.

5.17.2 `table.CalculationSettings`

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *automaticfindlabels*, *casesensitive*, *nullyear*, *precisionasshown*, *searchcriteriamustapplytowholecell*, *useregularexpressions*.

These elements contain `table.CalculationSettings`: `office.Chart`, `office.Drawing`, `office.Presentation`, `office.Spreadsheet`, `office.Text`.

The following elements occur in `table.CalculationSettings`: `table.Iteration`, `table.NullDate`.

5.17.3 `table.CellAddress`

Requires the following attributes: *column*, *row*, *table*.

Allows the following attributes: *column*, *row*, *table*.

These elements contain `table.CellAddress`: `table.CellContentChange`, `table.CellContentDeletion`.

The following elements occur in `table.CellAddress`: *No element is allowed*.

5.17.4 `table.CellContentChange`

Requires the following attributes: *id*.

Allows the following attributes: *acceptancestate*, *id*, *rejectingchangeid*.

These elements contain `table.CellContentChange`: `table.TrackedChanges`.

The following elements occur in `table.CellContentChange`: `office.ChangeInfo`, `table.CellAddress`, `table.Deletions`, `table.Dependencies`, `table.Previous`.

5.17.5 `table.CellContentDeletion`

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *id*.

These elements contain `table.CellContentDeletion`: `table.Deletions`.

The following elements occur in `table.CellContentDeletion`: `table.CellAddress`, `table.ChangeTrackTableCell`.

5.17.6 `table.CellRangeSource`

Requires the following attributes: *href*, *lastcolumnspanned*, *lastrowspanned*, *name*.

Allows the following attributes: *actuate, filtername, filteroptions, href, lastcolumnspanned, lastrowspanned, name, refreshdelay, type*.

These elements contain table.CellRangeSource: *table.CoveredTableCell, table.TableCell*.

The following elements occur in table.CellRangeSource: *No element is allowed*.

5.17.7 table.ChangeDeletion

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *id*.

These elements contain table.ChangeDeletion: *table.Deletions*.

The following elements occur in table.ChangeDeletion: *No element is allowed*.

5.17.8 table.ChangeTrackTableCell

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *booleanvalue, celladdress, currency, datevalue, formula, matrixcovered, numbermatrixcolumnsspanned, numbermatrixrowsspanned, stringvalue, timevalue, value, valuetype*.

These elements contain table.ChangeTrackTableCell: *table.CellContentDeletion, table.Previous*.

The following elements occur in table.ChangeTrackTableCell: *text.P*.

5.17.9 table.Consolidation

Requires the following attributes: *function, sourcecellrangeaddresses, targetcelladdress*.

Allows the following attributes: *function, linktosourcedata, sourcecellrangeaddresses, targetcelladdress, uselabels*.

These elements contain table.Consolidation: *office.Chart, office.Drawing, office.Presentation, office.Spreadsheet, office.Text*.

The following elements occur in table.Consolidation: *No element is allowed*.

5.17.10 table.ContentValidation

Requires the following attributes: *name*.

Allows the following attributes: *allowemptycell, basecelladdress, condition, displaylist, name*.

These elements contain table.ContentValidation: *table.ContentValidations*.

The following elements occur in table.ContentValidation: *office.EventListeners, table.ErrorMacro, table.ErrorMessage, table.HelpMessage*.

5.17.11 table.ContentValidations

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain table.ContentValidations: *office.Chart, office.Drawing, office.Presentation, office.Spreadsheet, office.Text*.

The following elements occur in table.ContentValidations: *table.ContentValidation*.

5.17.12 table.CoveredTableCell

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *booleanvalue, contentvalidationname, currency, datevalue, formula, numbercolumnsrepeated, protect, stringvalue, stylename, timevalue, value, valuetype*.

These elements contain table.CoveredTableCell: *table.TableRow*.

The following elements occur in table.CoveredTableCell: *dr3d.Scene, draw.A, draw.Caption*,

draw.Circle, draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.PageThumbnail, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon, office.Annotation, table.CellRangeSource, table.Detective, table.Table, text.AlphabeticalIndex, text.Bibliography, text.Change, text.ChangeEnd, text.ChangeStart, text.H, text.IllustrationIndex, text.List, text.NumberedParagraph, text.ObjectIndex, text.P, text.Section, text.TableIndex, text.TableOfContent, text.UserIndex.

5.17.13 table.CutOffs

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain table.CutOffs: *table.Deletion.*

The following elements occur in table.CutOffs: *table.InsertionCutOff, table.MovementCutOff.*

5.17.14 table.DataPilotDisplayInfo

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *datafield, displaymembermode, enabled, membercount.*

These elements contain table.DataPilotDisplayInfo: *table.DataPilotLevel.*

The following elements occur in table.DataPilotDisplayInfo: *No element is allowed.*

5.17.15 table.DataPilotField

Requires the following attributes: *sourcefieldname.*

Allows the following attributes: *function, isdatalayoutfield, orientation, selectedpage, sourcefieldname, usedhierarchy.*

These elements contain table.DataPilotField: *table.DataPilotTable.*

The following elements occur in table.DataPilotField: *table.DataPilotFieldReference, table.DataPilotGroups, table.DataPilotLevel.*

5.17.16 table.DataPilotFieldReference

Requires the following attributes: *fieldname, type.*

Allows the following attributes: *fieldname, membername, membertype, type.*

These elements contain table.DataPilotFieldReference: *table.DataPilotField.*

The following elements occur in table.DataPilotFieldReference: *No element is allowed.*

5.17.17 table.DataPilotGroup

Requires the following attributes: *name.*

Allows the following attributes: *name.*

These elements contain table.DataPilotGroup: *table.DataPilotGroups.*

The following elements occur in table.DataPilotGroup: *table.DataPilotGroupMember.*

5.17.18 table.DataPilotGroupMember

Requires the following attributes: *name.*

Allows the following attributes: *name.*

These elements contain table.DataPilotGroupMember: *table.DataPilotGroup.*

The following elements occur in table.DataPilotGroupMember: *No element is allowed.*

5.17.19 **table.DataPilotGroups**

Requires the following attributes: *groupedby, sourcefieldname, step*.

Allows the following attributes: *dateend, datestart, end, groupedby, sourcefieldname, start, step*.

These elements contain table.DataPilotGroups: *table.DataPilotField*.

The following elements occur in table.DataPilotGroups: *table.DataPilotGroup*.

5.17.20 **table.DataPilotLayoutInfo**

Requires the following attributes: *addemptylines, layoutmode*.

Allows the following attributes: *addemptylines, layoutmode*.

These elements contain table.DataPilotLayoutInfo: *table.DataPilotLevel*.

The following elements occur in table.DataPilotLayoutInfo: *No element is allowed*.

5.17.21 **table.DataPilotLevel**

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *showempty*.

These elements contain table.DataPilotLevel: *table.DataPilotField*.

The following elements occur in table.DataPilotLevel: *table.DataPilotDisplayInfo, table.DataPilotLayoutInfo, table.DataPilotMembers, table.DataPilotSortInfo, table.DataPilotSubtotals*.

5.17.22 **table.DataPilotMember**

Requires the following attributes: *name*.

Allows the following attributes: *display, name, showdetails*.

These elements contain table.DataPilotMember: *table.DataPilotMembers*.

The following elements occur in table.DataPilotMember: *No element is allowed*.

5.17.23 **table.DataPilotMembers**

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain table.DataPilotMembers: *table.DataPilotLevel*.

The following elements occur in table.DataPilotMembers: *table.DataPilotMember*.

5.17.24 **table.DataPilotSortInfo**

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *datafield, order, sortmode*.

These elements contain table.DataPilotSortInfo: *table.DataPilotLevel*.

The following elements occur in table.DataPilotSortInfo: *No element is allowed*.

5.17.25 **table.DataPilotSubtotal**

Requires the following attributes: *function*.

Allows the following attributes: *function*.

These elements contain table.DataPilotSubtotal: *table.DataPilotSubtotals*.

The following elements occur in table.DataPilotSubtotal: *No element is allowed*.

5.17.26 **table.DataPilotSubtotals**

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed.*

These elements contain table.DataPilotSubtotals: *table.DataPilotLevel.*

The following elements occur in table.DataPilotSubtotals: *table.DataPilotSubtotal.*

5.17.27 table.DataPilotTable

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *applicationdata, buttons, drilldownondoubleclick, grandtotal, identifiycategories, ignoreemptyrows, name, showfilterbutton, targetrangeaddress.*

These elements contain table.DataPilotTable: *table.DataPilotTables.*

The following elements occur in table.DataPilotTable: *table.DataPilotField, table.DatabaseSourceQuery, table.DatabaseSourceSql, table.DatabaseSourceTable, table.SourceCellRange, table.SourceService.*

5.17.28 table.DataPilotTables

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain table.DataPilotTables: *office.Chart, office.Drawing, office.Presentation, office.Spreadsheets, office.Text.*

The following elements occur in table.DataPilotTables: *table.DataPilotTable.*

5.17.29 table.DatabaseRange

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *containsheader, displayfilterbuttons, haspersistentdata, isselection, name, onupdatekeepsize, onupdatekeepstyles, orientation, refreshdelay, targetrangeaddress.*

These elements contain table.DatabaseRange: *table.DatabaseRanges.*

The following elements occur in table.DatabaseRange: *table.DatabaseSourceQuery, table.DatabaseSourceSql, table.DatabaseSourceTable, table.Filter, table.Sort, table.SubtotalRules.*

5.17.30 table.DatabaseRanges

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain table.DatabaseRanges: *office.Chart, office.Drawing, office.Presentation, office.Spreadsheets, office.Text.*

The following elements occur in table.DatabaseRanges: *table.DatabaseRange.*

5.17.31 table.DatabaseSourceQuery

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *databasename, queryname.*

These elements contain table.DatabaseSourceQuery: *table.DataPilotTable, table.DatabaseRange.*

The following elements occur in table.DatabaseSourceQuery: *No element is allowed.*

5.17.32 table.DatabaseSourceSql

Requires the following attributes: *databasename, sqlstatement.*

Allows the following attributes: *databasename, parsesqlstatement, sqlstatement.*

These elements contain table.DatabaseSourceSql: *table.DataPilotTable, table.DatabaseRange.*

The following elements occur in table.DatabaseSourceSql: *No element is allowed.*

5.17.33 table.DatabaseSourceTable

Requires the following attributes: *databasename, databasetablename.*

Allows the following attributes: *databasename, databasetablename.*

These elements contain table.DatabaseSourceTable: *table.DataPilotTable, table.DatabaseRange.*

The following elements occur in table.DatabaseSourceTable: *No element is allowed.*

5.17.34 table.DdeLink

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain table.DdeLink: *table.DdeLinks.*

The following elements occur in table.DdeLink: *office.DdeSource, table.Table.*

5.17.35 table.DdeLinks

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain table.DdeLinks: *office.Chart, office.Drawing, office.Presentation, office.Spreadsheet, office.Text.*

The following elements occur in table.DdeLinks: *table.DdeLink.*

5.17.36 table.Deletion

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *acceptancestate, id, multideletionspanned, position, rejectingchangeid, table, type.*

These elements contain table.Deletion: *table.TrackedChanges.*

The following elements occur in table.Deletion: *office.ChangeInfo, table.CutOffs, table.Deletions, table.Dependencies.*

5.17.37 table.Deletions

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain table.Deletions: *table.CellContentChange, table.Deletion, table.Insertion, table.Movement.*

The following elements occur in table.Deletions: *table.CellContentDeletion, table.ChangeDeletion.*

5.17.38 table.Dependencies

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain table.Dependencies: *table.CellContentChange, table.Deletion, table.Insertion, table.Movement.*

The following elements occur in table.Dependencies: *table.Dependency.*

5.17.39 table.Dependency

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *id.*

These elements contain table.Dependency: *table.Dependencies.*

The following elements occur in table.Dependency: *No element is allowed.*

5.17.40 table.Detective

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain table.Detective: *table.CoveredTableCell, table.TableCell.*

The following elements occur in table.Detective: *table.HighlightedRange, table.Operation.*

5.17.41 table.ErrorMacro

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *execute.*

These elements contain table.ErrorMacro: *table.ContentValidation.*

The following elements occur in table.ErrorMacro: *No element is allowed.*

5.17.42 table.ErrorMessage

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *display, messagetype, title.*

These elements contain table.ErrorMessage: *table.ContentValidation.*

The following elements occur in table.ErrorMessage: *text.P.*

5.17.43 table.EvenColumns

Requires the following attributes: *stylename.*

Allows the following attributes: *stylename.*

These elements contain table.EvenColumns: *table.TableTemplate.*

The following elements occur in table.EvenColumns: *No element is allowed.*

5.17.44 table.EvenRows

Requires the following attributes: *stylename.*

Allows the following attributes: *stylename.*

These elements contain table.EvenRows: *table.TableTemplate.*

The following elements occur in table.EvenRows: *No element is allowed.*

5.17.45 table.Filter

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *conditionssource, conditionssourcerangeaddress, displayduplicates, targetrangeaddress.*

These elements contain table.Filter: *table.DatabaseRange, table.SourceCellRange.*

The following elements occur in table.Filter: *table.FilterAnd, table.FilterCondition, table.FilterOr.*

5.17.46 table.FilterAnd

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain table.FilterAnd: *table.Filter, table.FilterOr.*

The following elements occur in table.FilterAnd: *table.FilterCondition, table.FilterOr.*

5.17.47 table.FilterCondition

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *casesensitive, datatype, fieldnumber, operator, value.*

These elements contain table.FilterCondition: *table.Filter*, *table.FilterAnd*, *table.FilterOr*.
The following elements occur in table.FilterCondition: *No element is allowed*.

5.17.48 table.FilterOr

Requires the following attributes: *No attribute is required*.
Allows the following attributes: *No attribute is allowed*.
These elements contain table.FilterOr: *table.Filter*, *table.FilterAnd*.
The following elements occur in table.FilterOr: *table.FilterAnd*, *table.FilterCondition*.

5.17.49 table.FirstColumn

Requires the following attributes: *No attribute is required*.
Allows the following attributes: *stylename*.
These elements contain table.FirstColumn: *table.TableTemplate*.
The following elements occur in table.FirstColumn: *No element is allowed*.

5.17.50 table.FirstRow

Requires the following attributes: *stylename*.
Allows the following attributes: *stylename*.
These elements contain table.FirstRow: *table.TableTemplate*.
The following elements occur in table.FirstRow: *No element is allowed*.

5.17.51 table.HelpMessage

Requires the following attributes: *No attribute is required*.
Allows the following attributes: *display*, *title*.
These elements contain table.HelpMessage: *table.ContentValidation*.
The following elements occur in table.HelpMessage: *text.P*.

5.17.52 table.HighlightedRange

Requires the following attributes: *No attribute is required*.
Allows the following attributes: *cellrangeaddress*, *containserror*, *direction*, *markedinvalid*.
These elements contain table.HighlightedRange: *table.Detective*.
The following elements occur in table.HighlightedRange: *No element is allowed*.

5.17.53 table.Insertion

Requires the following attributes: *id*, *position*, *type*.
Allows the following attributes: *acceptancestate*, *count*, *id*, *position*, *rejectingchangeid*, *table*, *type*.
These elements contain table.Insertion: *table.TrackedChanges*.
The following elements occur in table.Insertion: *office.ChangeInfo*, *table.Deletions*, *table.Dependencies*.

5.17.54 table.InsertionCutOff

Requires the following attributes: *id*, *position*.
Allows the following attributes: *id*, *position*.
These elements contain table.InsertionCutOff: *table.CutOffs*.
The following elements occur in table.InsertionCutOff: *No element is allowed*.

5.17.55 table.Iteration

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *maximumdifference, status, steps.*

These elements contain table.Iteration: *table.CalculationSettings.*

The following elements occur in table.Iteration: *No element is allowed.*

5.17.56 table.LabelRange

Requires the following attributes: *datacellrangeaddress, labelcellrangeaddress, orientation.*

Allows the following attributes: *datacellrangeaddress, labelcellrangeaddress, orientation.*

These elements contain table.LabelRange: *table.LabelRanges.*

The following elements occur in table.LabelRange: *No element is allowed.*

5.17.57 table.LabelRanges

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain table.LabelRanges: *office.Chart, office.Drawing, office.Presentation, office.Spreadsheet, office.Text.*

The following elements occur in table.LabelRanges: *table.LabelRange.*

5.17.58 table.LastColumn

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *stylename.*

These elements contain table.LastColumn: *table.TableTemplate.*

The following elements occur in table.LastColumn: *No element is allowed.*

5.17.59 table.LastRow

Requires the following attributes: *stylename.*

Allows the following attributes: *stylename.*

These elements contain table.LastRow: *table.TableTemplate.*

The following elements occur in table.LastRow: *No element is allowed.*

5.17.60 table.Movement

Requires the following attributes: *id.*

Allows the following attributes: *acceptancestate, id, rejectingchangeid.*

These elements contain table.Movement: *table.TrackedChanges.*

The following elements occur in table.Movement: *office.ChangeInfo, table.Deletions, table.Dependencies, table.SourceRangeAddress, table.TargetRangeAddress.*

5.17.61 table.MovementCutOff

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *endposition, position, startposition.*

These elements contain table.MovementCutOff: *table.CutOffs.*

The following elements occur in table.MovementCutOff: *No element is allowed.*

5.17.62 table.NamedExpression

Requires the following attributes: *expression, name.*

Allows the following attributes: *basecelladdress*, *expression*, *name*.

These elements contain table.NamedExpression: *table.NamedExpressions*.

The following elements occur in table.NamedExpression: *No element is allowed*.

5.17.63 table.NamedExpressions

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain table.NamedExpressions: *office.Chart*, *office.Drawing*, *office.Presentation*, *office.Spreadsheet*, *office.Text*.

The following elements occur in table.NamedExpressions: *table.NamedExpression*, *table.NamedRange*.

5.17.64 table.NamedRange

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *basecelladdress*, *cellrangeaddress*, *name*, *rangeusableas*.

These elements contain table.NamedRange: *table.NamedExpressions*.

The following elements occur in table.NamedRange: *No element is allowed*.

5.17.65 table.NullDate

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *datevaluetype*, *valuetype*.

These elements contain table.NullDate: *table.CalculationSettings*.

The following elements occur in table.NullDate: *No element is allowed*.

5.17.66 table.OddColumns

Requires the following attributes: *stylename*.

Allows the following attributes: *stylename*.

These elements contain table.OddColumns: *table.TableTemplate*.

The following elements occur in table.OddColumns: *No element is allowed*.

5.17.67 table.OddRows

Requires the following attributes: *stylename*.

Allows the following attributes: *stylename*.

These elements contain table.OddRows: *table.TableTemplate*.

The following elements occur in table.OddRows: *No element is allowed*.

5.17.68 table.Operation

Requires the following attributes: *index*, *name*.

Allows the following attributes: *index*, *name*.

These elements contain table.Operation: *table.Detective*.

The following elements occur in table.Operation: *No element is allowed*.

5.17.69 table.Previous

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *id*.

These elements contain table.Previous: *table.CellContentChange*.

The following elements occur in table.Previous: *table.ChangeTrackTableCell*.

5.17.70 **table.Scenario**

Requires the following attributes: *isactive*, *scenarioranges*.

Allows the following attributes: *bordercolor*, *comment*, *copyback*, *copyformulas*, *copystyles*, *displayborder*, *isactive*, *protected*, *scenarioranges*.

These elements contain table.Scenario: *table.Table*.

The following elements occur in table.Scenario: *No element is allowed*.

5.17.71 **table.Shapes**

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain table.Shapes: *table.Table*.

The following elements occur in table.Shapes: *dr3d.Scene*, *draw.Caption*, *draw.Circle*, *draw.Connector*, *draw.Control*, *draw.CustomShape*, *draw.Ellipse*, *draw.Frame*, *draw.G*, *draw.Line*, *draw.Measure*, *draw.PageThumbnail*, *draw.Path*, *draw.Polygon*, *draw.Polyline*, *draw.Rect*, *draw.RegularPolygon*.

5.17.72 **table.Sort**

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *algorithm*, *bindstylestocontent*, *casesensitive*, *country*, *language*, *targetrangeaddress*.

These elements contain table.Sort: *table.DatabaseRange*.

The following elements occur in table.Sort: *table.SortBy*.

5.17.73 **table.SortBy**

Requires the following attributes: *fieldnumber*.

Allows the following attributes: *datatype*, *fieldnumber*, *order*.

These elements contain table.SortBy: *table.Sort*.

The following elements occur in table.SortBy: *No element is allowed*.

5.17.74 **table.SortGroups**

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *datatype*, *order*.

These elements contain table.SortGroups: *table.SubtotalRules*.

The following elements occur in table.SortGroups: *No element is allowed*.

5.17.75 **table.SourceCellRange**

Requires the following attributes: *cellrangeaddress*.

Allows the following attributes: *cellrangeaddress*.

These elements contain table.SourceCellRange: *table.DataPilotTable*.

The following elements occur in table.SourceCellRange: *table.Filter*.

5.17.76 **table.SourceRangeAddress**

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *column*, *endcolumn*, *endrow*, *endtable*, *row*, *startcolumn*, *startrow*, *starttable*, *table*.

These elements contain table.SourceRangeAddress: *table.Movement*.

The following elements occur in table.SourceRangeAddress: *No element is allowed.*

5.17.77 table.SourceService

Requires the following attributes: *name, objectname, sourcename.*

Allows the following attributes: *name, objectname, password, sourcename, username.*

These elements contain table.SourceService: *table.DataPilotTable.*

The following elements occur in table.SourceService: *No element is allowed.*

5.17.78 table.SubtotalField

Requires the following attributes: *fieldnumber, function.*

Allows the following attributes: *fieldnumber, function.*

These elements contain table.SubtotalField: *table.SubtotalRule.*

The following elements occur in table.SubtotalField: *No element is allowed.*

5.17.79 table.SubtotalRule

Requires the following attributes: *groupbyfieldnumber.*

Allows the following attributes: *groupbyfieldnumber.*

These elements contain table.SubtotalRule: *table.SubtotalRules.*

The following elements occur in table.SubtotalRule: *table.SubtotalField.*

5.17.80 table.SubtotalRules

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *bindstylestocontent, casesensitive, pagebreaksongroupchange.*

These elements contain table.SubtotalRules: *table.DatabaseRange.*

The following elements occur in table.SubtotalRules: *table.SortGroups, table.SubtotalRule.*

5.17.81 table.Table

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *issubtable, name, print, printranges, protected, protectionkey, stylename.*

These elements contain table.Table: *chart.Chart, draw.TextBox, office.Spreadsheet, office.Text, style.Footer, style.FooterLeft, style.Header, style.HeaderLeft, table.CoveredTableCell, table.DdeLink, table.TableCell, text.Deletion, text.IndexBody, text.IndexTitle, text.NoteBody, text.Section.*

The following elements occur in table.Table: *office.DdeSource, office.Forms, table.Scenario, table.Shapes, table.TableColumn, table.TableColumnGroup, table.TableColumns, table.TableHeaderColumns, table.TableHeaderRows, table.TableRow, table.TableRowGroup, table.TableRows, table.TableSource.*

5.17.82 table.TableCell

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *booleanvalue, contentvalidationname, currency, datevalue, formula, numbercolumnsrepeated, numbercolumnsspanned, numbermatrixcolumnsspanned, numbermatrixrowsspanned, numberrowsspanned, protect, stringvalue, stylename, timevalue, value, valuetype.*

These elements contain table.TableCell: *table.TableRow.*

The following elements occur in table.TableCell: *dr3d.Scene, draw.A, draw.Caption, draw.Circle,*

draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.PageThumbnail, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon, office.Annotation, table.CellRangeSource, table.Detective, table.Table, text.AlphabeticalIndex, text.Bibliography, text.Change, text.ChangeEnd, text.ChangeStart, text.H, text.IllustrationIndex, text.List, text.NumberedParagraph, text.ObjectIndex, text.P, text.Section, text.TableIndex, text.TableOfContent, text.UserIndex.

5.17.83 table.TableColumn

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *defaultcellstyle, numbercolumnsrepeated, style, visibility.*

These elements contain table.TableColumn: *table.Table, table.TableColumnGroup, table.TableColumns, table.TableHeaderColumns.*

The following elements occur in table.TableColumn: *No element is allowed.*

5.17.84 table.TableColumnGroup

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *display.*

These elements contain table.TableColumnGroup: *table.Table, table.TableColumnGroup.*

The following elements occur in table.TableColumnGroup: *table.TableColumn, table.TableColumnGroup, table.TableColumns, table.TableHeaderColumns.*

5.17.85 table.TableColumns

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain table.TableColumns: *table.Table, table.TableColumnGroup.*

The following elements occur in table.TableColumns: *table.TableColumn.*

5.17.86 table.TableHeaderColumns

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain table.TableHeaderColumns: *table.Table, table.TableColumnGroup.*

The following elements occur in table.TableHeaderColumns: *table.TableColumn.*

5.17.87 table.TableHeaderRows

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain table.TableHeaderRows: *table.Table, table.TableRowGroup.*

The following elements occur in table.TableHeaderRows: *table.TableRow.*

5.17.88 table.TableRow

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *defaultcellstyle, numberrowsrepeated, style, visibility.*

These elements contain table.TableRow: *table.Table, table.TableHeaderRows, table.TableRowGroup, table.TableRows.*

The following elements occur in table.TableRow: *table.CoveredTableCell, table.TableCell.*

5.17.89 table.TableRowGroup

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *display.*

These elements contain table.TableRowGroup: *table.Table, table.TableRowGroup.*

The following elements occur in table.TableRowGroup: *table.TableHeaderRows, table.TableRow, table.TableRowGroup, table.TableRows.*

5.17.90 table.TableRows

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain table.TableRows: *table.Table, table.TableRowGroup.*

The following elements occur in table.TableRows: *table.TableRow.*

5.17.91 table.TableSource

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *actuate, filtername, filteroptions, href, mode, refreshdelay, tablename, type.*

These elements contain table.TableSource: *table.Table.*

The following elements occur in table.TableSource: *No element is allowed.*

5.17.92 table.TableTemplate

Requires the following attributes: *firstrowendcolumn, firstrowstartcolumn, lastrowendcolumn, lastrowstartcolumn, name.*

Allows the following attributes: *firstrowendcolumn, firstrowstartcolumn, lastrowendcolumn, lastrowstartcolumn, name.*

These elements contain table.TableTemplate: *This is a toplevel element.*

The following elements occur in table.TableTemplate: *table.Body, table.EvenColumns, table.EvenRows, table.FirstColumn, table.FirstRow, table.LastColumn, table.LastRow, table.OddColumns, table.OddRows.*

5.17.93 table.TargetRangeAddress

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *column, endcolumn, endrow, endtable, row, startcolumn, startrow, starttable, table.*

These elements contain table.TargetRangeAddress: *table.Movement.*

The following elements occur in table.TargetRangeAddress: *No element is allowed.*

5.17.94 table.TrackedChanges

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *trackchanges.*

These elements contain table.TrackedChanges: *office.Spreadsheet.*

The following elements occur in table.TrackedChanges: *table.CellContentChange, table.Deletion, table.Insertion, table.Movement.*

5.18 text module

5.18.1 text.A

Requires the following attributes: *href*.

Allows the following attributes: *actuate*, *href*, *name*, *show*, *style*, *style*, *target*, *target*, *type*, *visited*.

These elements contain text.A: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.A: *dr3d.Scene*, *draw.A*, *draw.Caption*, *draw.Circle*, *draw.Connector*, *draw.Control*, *draw.CustomShape*, *draw.Ellipse*, *draw.Frame*, *draw.G*, *draw.Line*, *draw.Measure*, *draw.PageThumbnail*, *draw.Path*, *draw.Polygon*, *draw.Polyline*, *draw.Rect*, *draw.RegularPolygon*, *office.Annotation*, *office.EventListeners*, *presentation.DateTime*, *presentation.Footer*, *presentation.Header*, *text.A*, *text.AlphabeticalIndexMark*, *text.AlphabeticalIndexMarkEnd*, *text.AlphabeticalIndexMarkStart*, *text.AuthorInitials*, *text.AuthorName*, *text.BibliographyMark*, *text.Bookmark*, *text.BookmarkEnd*, *text.BookmarkRef*, *text.BookmarkStart*, *text.Change*, *text.ChangeEnd*, *text.ChangeStart*, *text.Chapter*, *text.ConditionalText*, *text.CreationDate*, *text.CreationTime*, *text.Creator*, *text.DatabaseDisplay*, *text.DatabaseName*, *text.DatabaseNext*, *text.DatabaseRowNumber*, *text.DatabaseRowSelect*, *text.Date*, *text.DdeConnection*, *text.Description*, *text.EditingCycles*, *text.EditingDuration*, *text.ExecuteMacro*, *text.Expression*, *text.FileName*, *text.HiddenParagraph*, *text.HiddenText*, *text.InitialCreator*, *text.Keywords*, *text.LineBreak*, *text.Measure*, *text.ModificationDate*, *text.ModificationTime*, *text.Note*, *text.NoteRef*, *text.ObjectCount*, *text.PageContinuation*, *text.PageNumber*, *text.PageVariableGet*, *text.PageVariableSet*, *text.Placeholder*, *text.PrintDate*, *text.PrintTime*, *text.PrintedBy*, *text.ReferenceMark*, *text.ReferenceMarkEnd*, *text.ReferenceMarkStart*, *text.Ruby*, *text.S*, *text.Script*, *text.SenderCity*, *text.SenderCompany*, *text.SenderCountry*, *text.SenderEmail*, *text.SenderFax*, *text.SenderFirstname*, *text.SenderInitials*, *text.SenderLastname*, *text.SenderPhonePrivate*, *text.SenderPhoneWork*, *text.SenderPosition*, *text.SenderPostalCode*, *text.SenderStateOrProvince*, *text.SenderStreet*, *text.SenderTitle*, *text.Sequence*, *text.SequenceRef*, *text.SheetName*, *text.Span*, *text.Subject*, *text.Tab*, *text.TableFormula*, *text.TemplateName*, *text.TextInput*, *text.Time*, *text.Title*, *text.TocMark*, *text.TocMarkEnd*, *text.TocMarkStart*, *text.UserDefined*, *text.UserFieldGet*, *text.UserFieldInput*, *text.UserIndexMark*, *text.UserIndexMarkEnd*, *text.UserIndexMarkStart*, *text.VariableGet*, *text.VariableInput*, *text.VariableSet*.

5.18.2 text.AlphabeticalIndex

Requires the following attributes: *name*.

Allows the following attributes: *name*, *protected*, *protectionkey*, *style*.

These elements contain text.AlphabeticalIndex: *draw.TextBox*, *office.Text*, *style.Footer*, *style.FooterLeft*, *style.Header*, *style.HeaderLeft*, *table.CoveredTableCell*, *table.TableCell*, *text.Deletion*, *text.IndexBody*, *text.IndexTitle*, *text.NoteBody*, *text.Section*.

The following elements occur in text.AlphabeticalIndex: *text.AlphabeticalIndexSource*, *text.IndexBody*.

5.18.3 text.AlphabeticalIndexAutoMarkFile

Requires the following attributes: *href*.

Allows the following attributes: *href*, *type*.

These elements contain text.AlphabeticalIndexAutoMarkFile: *office.Chart*, *office.Drawing*, *office.Presentation*, *office.Spreadsheet*, *office.Text*, *style.Footer*, *style.FooterLeft*, *style.Header*, *style.HeaderLeft*.

The following elements occur in text.AlphabeticalIndexAutoMarkFile: *No element is allowed.*

5.18.4 text.AlphabeticalIndexEntryTemplate

Requires the following attributes: *outlinelevel*, *stylename*.

Allows the following attributes: *outlinelevel*, *stylename*.

These elements contain text.AlphabeticalIndexEntryTemplate: *text.AlphabeticalIndexSource*.

The following elements occur in text.AlphabeticalIndexEntryTemplate: *text.IndexEntryChapter*, *text.IndexEntryPageNumber*, *text.IndexEntrySpan*, *text.IndexEntryTabStop*, *text.IndexEntryText*.

5.18.5 text.AlphabeticalIndexMark

Requires the following attributes: *stringvalue*.

Allows the following attributes: *key1*, *key1phonetic*, *key2*, *key2phonetic*, *mainentry*, *stringvalue*, *stringvaluephonetic*.

These elements contain text.AlphabeticalIndexMark: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.AlphabeticalIndexMark: *No element is allowed.*

5.18.6 text.AlphabeticalIndexMarkEnd

Requires the following attributes: *id*.

Allows the following attributes: *id*.

These elements contain text.AlphabeticalIndexMarkEnd: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.AlphabeticalIndexMarkEnd: *No element is allowed.*

5.18.7 text.AlphabeticalIndexMarkStart

Requires the following attributes: *id*.

Allows the following attributes: *id*, *key1*, *key1phonetic*, *key2*, *key2phonetic*, *mainentry*, *stringvaluephonetic*.

These elements contain text.AlphabeticalIndexMarkStart: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.AlphabeticalIndexMarkStart: *No element is allowed.*

5.18.8 text.AlphabeticalIndexSource

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *alphabeticalseparators*, *capitalizeentries*, *combineentries*, *combineentrieswithdash*, *combineentrieswithhpp*, *commaseparated*, *country*, *ignorecase*, *indexscope*, *language*, *mainentrystylename*, *relativetabstopposition*, *sortalgorithm*, *usekeysasentries*.

These elements contain text.AlphabeticalIndexSource: *text.AlphabeticalIndex*.

The following elements occur in text.AlphabeticalIndexSource: *text.AlphabeticalIndexEntryTemplate*, *text.IndexTitleTemplate*.

5.18.9 text.AuthorInitials

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fixed*.

These elements contain text.AuthorInitials: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.AuthorInitials: *No element is allowed.*

5.18.10 text.AuthorName

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fixed.*

These elements contain text.AuthorName: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.AuthorName: *No element is allowed.*

5.18.11 text.Bibliography

Requires the following attributes: *name.*

Allows the following attributes: *name, protected, protectionkey, stylename.*

These elements contain text.Bibliography: *draw.TextBox, office.Text, style.Footer, style.FooterLeft, style.Header, style.HeaderLeft, table.CoveredTableCell, table.TableCell, text.Deletion, text.IndexBody, text.IndexTitle, text.NoteBody, text.Section.*

The following elements occur in text.Bibliography: *text.BibliographySource, text.IndexBody.*

5.18.12 text.BibliographyConfiguration

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *country, language, numberedentries, prefix, sortalgorithm, sortbyposition, suffix.*

These elements contain text.BibliographyConfiguration: *office.Styles.*

The following elements occur in text.BibliographyConfiguration: *text.SortKey.*

5.18.13 text.BibliographyEntryTemplate

Requires the following attributes: *bibliographytype, stylename.*

Allows the following attributes: *bibliographytype, stylename.*

These elements contain text.BibliographyEntryTemplate: *text.BibliographySource.*

The following elements occur in text.BibliographyEntryTemplate: *text.IndexEntryBibliography, text.IndexEntrySpan, text.IndexEntryTabStop.*

5.18.14 text.BibliographyMark

Requires the following attributes: *bibliographytype.*

Allows the following attributes: *bibliographytype, issn.*

These elements contain text.BibliographyMark: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.BibliographyMark: *No element is allowed.*

5.18.15 text.BibliographySource

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain text.BibliographySource: *text.Bibliography.*

The following elements occur in text.BibliographySource: *text.BibliographyEntryTemplate, text.IndexTitleTemplate.*

5.18.16 text.Bookmark

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *name.*

These elements contain text.Bookmark: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.Bookmark: *No element is allowed.*

5.18.17 text.BookmarkEnd

Requires the following attributes: *name*.

Allows the following attributes: *name*.

These elements contain text.BookmarkEnd: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.BookmarkEnd: *No element is allowed*.

5.18.18 text.BookmarkRef

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *referenceformat*, *refname*.

These elements contain text.BookmarkRef: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.BookmarkRef: *No element is allowed*.

5.18.19 text.BookmarkStart

Requires the following attributes: *name*.

Allows the following attributes: *name*.

These elements contain text.BookmarkStart: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.BookmarkStart: *No element is allowed*.

5.18.20 text.Change

Requires the following attributes: *changeid*.

Allows the following attributes: *changeid*.

These elements contain text.Change: *draw.TextBox*, *office.Text*, *style.Footer*, *style.FooterLeft*, *style.Header*, *style.HeaderLeft*, *table.CoveredTableCell*, *table.TableCell*, *text.A*, *text.Deletion*, *text.H*, *text.IndexBody*, *text.IndexTitle*, *text.NoteBody*, *text.P*, *text.RubyBase*, *text.Section*, *text.Span*.

The following elements occur in text.Change: *No element is allowed*.

5.18.21 text.ChangeEnd

Requires the following attributes: *changeid*.

Allows the following attributes: *changeid*.

These elements contain text.ChangeEnd: *draw.TextBox*, *office.Text*, *style.Footer*, *style.FooterLeft*, *style.Header*, *style.HeaderLeft*, *table.CoveredTableCell*, *table.TableCell*, *text.A*, *text.Deletion*, *text.H*, *text.IndexBody*, *text.IndexTitle*, *text.NoteBody*, *text.P*, *text.RubyBase*, *text.Section*, *text.Span*.

The following elements occur in text.ChangeEnd: *No element is allowed*.

5.18.22 text.ChangeStart

Requires the following attributes: *changeid*.

Allows the following attributes: *changeid*.

These elements contain text.ChangeStart: *draw.TextBox*, *office.Text*, *style.Footer*, *style.FooterLeft*, *style.Header*, *style.HeaderLeft*, *table.CoveredTableCell*, *table.TableCell*, *text.A*, *text.Deletion*, *text.H*, *text.IndexBody*, *text.IndexTitle*, *text.NoteBody*, *text.P*, *text.RubyBase*, *text.Section*, *text.Span*.

The following elements occur in text.ChangeStart: *No element is allowed*.

5.18.23 text.ChangedRegion

Requires the following attributes: *id*.

Allows the following attributes: *id*.

These elements contain text.ChangedRegion: *text.TrackedChanges*.

The following elements occur in `text.ChangedRegion`: `text.Deletion`, `text.FormatChange`, `text.Insertion`.

5.18.24 text.Chapter

Requires the following attributes: *display*, *outlinelevel*.

Allows the following attributes: *display*, *outlinelevel*.

These elements contain `text.Chapter`: `text.A`, `text.H`, `text.P`, `text.RubyBase`, `text.Span`.

The following elements occur in `text.Chapter`: *No element is allowed*.

5.18.25 text.ConditionalText

Requires the following attributes: *condition*, *stringvalueiffalse*, *stringvalueiftrue*.

Allows the following attributes: *condition*, *currentvalue*, *stringvalueiffalse*, *stringvalueiftrue*.

These elements contain `text.ConditionalText`: `text.A`, `text.H`, `text.P`, `text.RubyBase`, `text.Span`.

The following elements occur in `text.ConditionalText`: *No element is allowed*.

5.18.26 text.CreationDate

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *datastyle*, *datevalue*, *fixed*.

These elements contain `text.CreationDate`: `text.A`, `text.H`, `text.P`, `text.RubyBase`, `text.Span`.

The following elements occur in `text.CreationDate`: *No element is allowed*.

5.18.27 text.CreationTime

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *datastyle*, *fixed*, *timevalue*.

These elements contain `text.CreationTime`: `text.A`, `text.H`, `text.P`, `text.RubyBase`, `text.Span`.

The following elements occur in `text.CreationTime`: *No element is allowed*.

5.18.28 text.Creator

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *fixed*.

These elements contain `text.Creator`: `text.A`, `text.H`, `text.P`, `text.RubyBase`, `text.Span`.

The following elements occur in `text.Creator`: *No element is allowed*.

5.18.29 text.DatabaseDisplay

Requires the following attributes: *columnname*, *tablename*.

Allows the following attributes: *columnname*, *databasename*, *datastyle*, *tablename*, *tabletype*.

These elements contain `text.DatabaseDisplay`: `text.A`, `text.H`, `text.P`, `text.RubyBase`, `text.Span`.

The following elements occur in `text.DatabaseDisplay`: *form.ConnectionResource*.

5.18.30 text.DatabaseName

Requires the following attributes: *tablename*.

Allows the following attributes: *databasename*, *tablename*, *tabletype*.

These elements contain `text.DatabaseName`: `text.A`, `text.H`, `text.P`, `text.RubyBase`, `text.Span`.

The following elements occur in `text.DatabaseName`: *form.ConnectionResource*.

5.18.31 text.DatabaseNext

Requires the following attributes: *tablename*.

Allows the following attributes: *condition*, *databasename*, *tablename*, *tabletype*.

These elements contain text.DatabaseNext: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.DatabaseNext: *form.ConnectionResource*.

5.18.32 text.DatabaseRowNumber

Requires the following attributes: *tablename*.

Allows the following attributes: *databasename*, *numformat*, *numlettersync*, *tablename*, *tabletype*, *value*.

These elements contain text.DatabaseRowNumber: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.DatabaseRowNumber: *form.ConnectionResource*.

5.18.33 text.DatabaseRowSelect

Requires the following attributes: *tablename*.

Allows the following attributes: *condition*, *databasename*, *rownumber*, *tablename*, *tabletype*.

These elements contain text.DatabaseRowSelect: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.DatabaseRowSelect: *form.ConnectionResource*.

5.18.34 text.Date

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *datastyle*, *dateadjust*, *datevalue*, *fixed*.

These elements contain text.Date: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.Date: *No element is allowed*.

5.18.35 text.DdeConnection

Requires the following attributes: *connectionname*.

Allows the following attributes: *connectionname*.

These elements contain text.DdeConnection: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.DdeConnection: *No element is allowed*.

5.18.36 text.DdeConnectionDecl

Requires the following attributes: *ddeapplication*, *ddeitem*, *ddetopic*, *name*.

Allows the following attributes: *automaticupdate*, *ddeapplication*, *ddeitem*, *ddetopic*, *name*.

These elements contain text.DdeConnectionDecl: *text.DdeConnectionDecls*.

The following elements occur in text.DdeConnectionDecl: *No element is allowed*.

5.18.37 text.DdeConnectionDecls

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain text.DdeConnectionDecls: *office.Chart*, *office.Drawing*, *office.Presentation*, *office.Spreadsheet*, *office.Text*, *style.Footer*, *style.FooterLeft*, *style.Header*, *style.HeaderLeft*.

The following elements occur in text.DdeConnectionDecls: *text.DdeConnectionDecl*.

5.18.38 text.Deletion

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain text.Deletion: *text.ChangedRegion.*

The following elements occur in text.Deletion: *dr3d.Scene, draw.A, draw.Caption, draw.Circle, draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.PageThumbnail, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon, office.ChangeInfo, table.Table, text.AlphabeticalIndex, text.Bibliography, text.Change, text.ChangeEnd, text.ChangeStart, text.H, text.IllustrationIndex, text.List, text.NumberedParagraph, text.ObjectIndex, text.P, text.Section, text.TableIndex, text.TableOfContent, text.UserIndex.*

5.18.39 text.Description

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fixed.*

These elements contain text.Description: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.Description: *No element is allowed.*

5.18.40 text.EditingCycles

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fixed.*

These elements contain text.EditingCycles: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.EditingCycles: *No element is allowed.*

5.18.41 text.EditingDuration

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *datastylename, duration, fixed.*

These elements contain text.EditingDuration: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.EditingDuration: *No element is allowed.*

5.18.42 text.ExecuteMacro

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *name.*

These elements contain text.ExecuteMacro: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.ExecuteMacro: *office.EventListeners.*

5.18.43 text.Expression

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *booleanvalue, currency, datastylename, datevalue, display, formula, stringvalue, timevalue, value, valuetype.*

These elements contain text.Expression: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.Expression: *No element is allowed.*

5.18.44 text.FileName

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *display, fixed.*

These elements contain text.FileName: *text.A, text.H, text.P, text.RubyBase, text.Span*.
The following elements occur in text.FileName: *No element is allowed*.

5.18.45 text.FormatChange

Requires the following attributes: *No attribute is required*.
Allows the following attributes: *No attribute is allowed*.
These elements contain text.FormatChange: *text.ChangedRegion*.
The following elements occur in text.FormatChange: *office.ChangeInfo*.

5.18.46 text.H

Requires the following attributes: *No attribute is required*.
Allows the following attributes: *classnames, condstyle, id, islistheader, outlinelevel, restartnumbering, startvalue, style*.
These elements contain text.H: *draw.TextBox, office.Text, style.Footer, style.FooterLeft, style.Header, style.HeaderLeft, table.CoveredTableCell, table.TableCell, text.Deletion, text.IndexBody, text.IndexTitle, text.ListHeader, text.ListItem, text.NoteBody, text.NumberedParagraph, text.Section*.
The following elements occur in text.H: *dr3d.Scene, draw.A, draw.Caption, draw.Circle, draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.PageThumbnail, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon, office.Annotation, presentation.DateTime, presentation.Footer, presentation.Header, text.A, text.AlphabeticalIndexMark, text.AlphabeticalIndexMarkEnd, text.AlphabeticalIndexMarkStart, text.AuthorInitials, text.AuthorName, text.BibliographyMark, text.Bookmark, text.BookmarkEnd, text.BookmarkRef, text.BookmarkStart, text.Change, text.ChangeEnd, text.ChangeStart, text.Chapter, text.ConditionalText, text.CreationDate, text.CreationTime, text.Creator, text.DatabaseDisplay, text.DatabaseName, text.DatabaseNext, text.DatabaseRowNumber, text.DatabaseRowSelect, text.Date, text.DdeConnection, text.Description, text.EditingCycles, text.EditingDuration, text.ExecuteMacro, text.Expression, text.FileName, text.HiddenParagraph, text.HiddenText, text.InitialCreator, text.Keywords, text.LineBreak, text.Measure, text.ModificationDate, text.ModificationTime, text.Note, text.NoteRef, text.Number, text.ObjectCount, text.PageContinuation, text.PageNumber, text.PageVariableGet, text.PageVariableSet, text.Placeholder, text.PrintDate, text.PrintTime, text.PrintedBy, text.ReferenceMark, text.ReferenceMarkEnd, text.ReferenceMarkStart, text.Ruby, text.S, text.Script, text.SenderCity, text.SenderCompany, text.SenderCountry, text.SenderEmail, text.SenderFax, text.SenderFirstname, text.SenderInitials, text.SenderLastname, text.SenderPhonePrivate, text.SenderPhoneWork, text.SenderPosition, text.SenderPostalCode, text.SenderStateOrProvince, text.SenderStreet, text.SenderTitle, text.Sequence, text.SequenceRef, text.SheetName, text.Span, text.Subject, text.Tab, text.TableFormula, text.TemplateName, text.TextInput, text.Time, text.Title, text.TocMark, text.TocMarkEnd, text.TocMarkStart, text.UserDefined, text.UserFieldGet, text.UserFieldInput, text.UserIndexMark, text.UserIndexMarkEnd, text.UserIndexMarkStart, text.VariableGet, text.VariableInput, text.VariableSet*.

5.18.47 text.HiddenParagraph

Requires the following attributes: *condition*.
Allows the following attributes: *condition, ishidden*.
These elements contain text.HiddenParagraph: *text.A, text.H, text.P, text.RubyBase, text.Span*.
The following elements occur in text.HiddenParagraph: *No element is allowed*.

5.18.48 text.HiddenText

Requires the following attributes: *condition*, *stringvalue*.

Allows the following attributes: *condition*, *ishidden*, *stringvalue*.

These elements contain text.HiddenText: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.HiddenText: *No element is allowed*.

5.18.49 text.IllustrationIndex

Requires the following attributes: *name*.

Allows the following attributes: *name*, *protected*, *protectionkey*, *stylename*.

These elements contain text.IllustrationIndex: *draw.TextBox*, *office.Text*, *style.Footer*, *style.FooterLeft*, *style.Header*, *style.HeaderLeft*, *table.CoveredTableCell*, *table.TableCell*, *text.Deletion*, *text.IndexBody*, *text.IndexTitle*, *text.NoteBody*, *text.Section*.

The following elements occur in text.IllustrationIndex: *text.IllustrationIndexSource*, *text.IndexBody*.

5.18.50 text.IllustrationIndexEntryTemplate

Requires the following attributes: *stylename*.

Allows the following attributes: *stylename*.

These elements contain text.IllustrationIndexEntryTemplate: *text.IllustrationIndexSource*.

The following elements occur in text.IllustrationIndexEntryTemplate: *text.IndexEntryPageNumber*, *text.IndexEntrySpan*, *text.IndexEntryTabStop*, *text.IndexEntryText*.

5.18.51 text.IllustrationIndexSource

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *captionsequenceformat*, *captionsequencename*, *indexscope*, *relativetabstopposition*, *usecaption*.

These elements contain text.IllustrationIndexSource: *text.IllustrationIndex*.

The following elements occur in text.IllustrationIndexSource: *text.IllustrationIndexEntryTemplate*, *text.IndexTitleTemplate*.

5.18.52 text.IndexBody

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain text.IndexBody: *text.AlphabeticalIndex*, *text.Bibliography*, *text.IllustrationIndex*, *text.ObjectIndex*, *text.TableIndex*, *text.TableOfContent*, *text.UserIndex*.

The following elements occur in text.IndexBody: *dr3d.Scene*, *draw.A*, *draw.Caption*, *draw.Circle*, *draw.Connector*, *draw.Control*, *draw.CustomShape*, *draw.Ellipse*, *draw.Frame*, *draw.G*, *draw.Line*, *draw.Measure*, *draw.PageThumbnail*, *draw.Path*, *draw.Polygon*, *draw.Polyline*, *draw.Rect*, *draw.RegularPolygon*, *table.Table*, *text.AlphabeticalIndex*, *text.Bibliography*, *text.Change*, *text.ChangeEnd*, *text.ChangeStart*, *text.H*, *text.IllustrationIndex*, *text.IndexTitle*, *text.List*, *text.NumberedParagraph*, *text.ObjectIndex*, *text.P*, *text.Section*, *text.TableIndex*, *text.TableOfContent*, *text.UserIndex*.

5.18.53 text.IndexEntryBibliography

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *bibliographydatafield*, *stylename*.

These elements contain text.IndexEntryBibliography: *text.BibliographyEntryTemplate*.

The following elements occur in text.IndexEntryBibliography: *No element is allowed.*

5.18.54 text.IndexEntryChapter

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *display, stylename.*

These elements contain text.IndexEntryChapter: *text.AlphabeticalIndexEntryTemplate, text.TableOfContentEntryTemplate, text.UserIndexEntryTemplate.*

The following elements occur in text.IndexEntryChapter: *No element is allowed.*

5.18.55 text.IndexEntryLinkEnd

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *stylename.*

These elements contain text.IndexEntryLinkEnd: *text.TableOfContentEntryTemplate.*

The following elements occur in text.IndexEntryLinkEnd: *No element is allowed.*

5.18.56 text.IndexEntryLinkStart

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *stylename.*

These elements contain text.IndexEntryLinkStart: *text.TableOfContentEntryTemplate.*

The following elements occur in text.IndexEntryLinkStart: *No element is allowed.*

5.18.57 text.IndexEntryPageNumber

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *stylename.*

These elements contain text.IndexEntryPageNumber: *text.AlphabeticalIndexEntryTemplate, text.IllustrationIndexEntryTemplate, text.ObjectIndexEntryTemplate, text.TableIndexEntryTemplate, text.TableOfContentEntryTemplate, text.UserIndexEntryTemplate.*

The following elements occur in text.IndexEntryPageNumber: *No element is allowed.*

5.18.58 text.IndexEntrySpan

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *stylename.*

These elements contain text.IndexEntrySpan: *text.AlphabeticalIndexEntryTemplate, text.BibliographyEntryTemplate, text.IllustrationIndexEntryTemplate, text.ObjectIndexEntryTemplate, text.TableIndexEntryTemplate, text.TableOfContentEntryTemplate, text.UserIndexEntryTemplate.*

The following elements occur in text.IndexEntrySpan: *No element is allowed.*

5.18.59 text.IndexEntryTabStop

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *leaderchar, position, stylename, type.*

These elements contain text.IndexEntryTabStop: *text.AlphabeticalIndexEntryTemplate, text.BibliographyEntryTemplate, text.IllustrationIndexEntryTemplate, text.ObjectIndexEntryTemplate, text.TableIndexEntryTemplate, text.TableOfContentEntryTemplate, text.UserIndexEntryTemplate.*

The following elements occur in text.IndexEntryTabStop: *No element is allowed.*

5.18.60 text.IndexEntryText

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *stylename.*

These elements contain text.IndexEntryText: *text.AlphabeticalIndexEntryTemplate, text.IllustrationIndexEntryTemplate, text.ObjectIndexEntryTemplate, text.TableIndexEntryTemplate, text.TableOfContentEntryTemplate, text.UserIndexEntryTemplate.*

The following elements occur in text.IndexEntryText: *No element is allowed.*

5.18.61 text.IndexSourceStyle

Requires the following attributes: *stylename.*

Allows the following attributes: *stylename.*

These elements contain text.IndexSourceStyle: *text.IndexSourceStyles.*

The following elements occur in text.IndexSourceStyle: *No element is allowed.*

5.18.62 text.IndexSourceStyles

Requires the following attributes: *outlinelevel.*

Allows the following attributes: *outlinelevel.*

These elements contain text.IndexSourceStyles: *text.TableOfContentSource, text.UserIndexSource.*

The following elements occur in text.IndexSourceStyles: *text.IndexSourceStyle.*

5.18.63 text.IndexTitle

Requires the following attributes: *name.*

Allows the following attributes: *name, protected, protectionkey, stylename.*

These elements contain text.IndexTitle: *style.Footer, style.FooterLeft, style.Header, style.HeaderLeft, text.IndexBody, text.IndexTitle.*

The following elements occur in text.IndexTitle: *dr3d.Scene, draw.A, draw.Caption, draw.Circle, draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.PageThumbnail, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon, table.Table, text.AlphabeticalIndex, text.Bibliography, text.Change, text.ChangeEnd, text.ChangeStart, text.H, text.IllustrationIndex, text.IndexTitle, text.List, text.NumberedParagraph, text.ObjectIndex, text.P, text.Section, text.TableIndex, text.TableOfContent, text.UserIndex.*

5.18.64 text.IndexTitleTemplate

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *stylename.*

These elements contain text.IndexTitleTemplate: *text.AlphabeticalIndexSource, text.BibliographySource, text.IllustrationIndexSource, text.ObjectIndexSource, text.TableIndexSource, text.TableOfContentSource, text.UserIndexSource.*

The following elements occur in text.IndexTitleTemplate: *No element is allowed.*

5.18.65 text.InitialCreator

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fixed.*

These elements contain text.InitialCreator: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.InitialCreator: *No element is allowed.*

5.18.66 text.Insertion

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain text.Insertion: *text.ChangedRegion.*

The following elements occur in text.Insertion: *office.ChangeInfo.*

5.18.67 text.Keywords

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fixed.*

These elements contain text.Keywords: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.Keywords: *No element is allowed.*

5.18.68 text.LineBreak

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain text.LineBreak: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.LineBreak: *No element is allowed.*

5.18.69 text.LinenumberingConfiguration

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *countemptylines, countintextboxes, increment, numberlines, numberposition, numformat, numlettersync, offset, restartonpage, stylename.*

These elements contain text.LinenumberingConfiguration: *office.Styles.*

The following elements occur in text.LinenumberingConfiguration: *text.LinenumberingSeparator.*

5.18.70 text.LinenumberingSeparator

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *increment.*

These elements contain text.LinenumberingSeparator: *text.LinenumberingConfiguration.*

The following elements occur in text.LinenumberingSeparator: *No element is allowed.*

5.18.71 text.List

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *continuenumbering, stylename.*

These elements contain text.List: *draw.Caption, draw.Circle, draw.Connector, draw.CustomShape, draw.Ellipse, draw.Image, draw.Line, draw.Measure, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon, draw.TextBox, office.Annotation, office.Text, style.Footer, style.FooterLeft, style.Header, style.HeaderLeft, table.CoveredTableCell, table.TableCell, text.Deletion, text.IndexBody, text.IndexTitle, text.ListHeader, text.ListItem, text.NoteBody, text.Section.*

The following elements occur in text.List: *text.ListHeader, text.ListItem.*

5.18.72 text.ListHeader

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain text.ListHeader: *text.List.*

The following elements occur in text.ListHeader: *text.H*, *text.List*, *text.Number*, *text.P*.

5.18.73 text.ListItem

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *startvalue*.

These elements contain text.ListItem: *text.List*.

The following elements occur in text.ListItem: *text.H*, *text.List*, *text.Number*, *text.P*.

5.18.74 text.ListLevelStyleBullet

Requires the following attributes: *bulletpchar*, *level*.

Allows the following attributes: *bulletpchar*, *bulletrelativesize*, *level*, *numprefix*, *numsuffix*, *stylename*.

These elements contain text.ListLevelStyleBullet: *text.ListStyle*.

The following elements occur in text.ListLevelStyleBullet: *style.ListLevelProperties*, *style.TextProperties*.

5.18.75 text.ListLevelStyleImage

Requires the following attributes: *level*.

Allows the following attributes: *actuate*, *href*, *level*, *show*, *type*.

These elements contain text.ListLevelStyleImage: *text.ListStyle*.

The following elements occur in text.ListLevelStyleImage: *office.BinaryData*, *style.ListLevelProperties*.

5.18.76 text.ListLevelStyleNumber

Requires the following attributes: *level*.

Allows the following attributes: *displaylevels*, *level*, *numformat*, *numlettersync*, *numprefix*, *numsuffix*, *startvalue*, *stylename*.

These elements contain text.ListLevelStyleNumber: *text.ListStyle*.

The following elements occur in text.ListLevelStyleNumber: *style.ListLevelProperties*, *style.TextProperties*.

5.18.77 text.ListStyle

Requires the following attributes: *name*.

Allows the following attributes: *consecutivenumbering*, *displayname*, *name*.

These elements contain text.ListStyle: *office.AutomaticStyles*, *office.Styles*, *style.GraphicProperties*.

The following elements occur in text.ListStyle: *text.ListLevelStyleBullet*, *text.ListLevelStyleImage*, *text.ListLevelStyleNumber*.

5.18.78 text.Measure

Requires the following attributes: *kind*.

Allows the following attributes: *kind*.

These elements contain text.Measure: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.Measure: *No element is allowed*.

5.18.79 text.ModificationDate

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *datastyle*, *date*, *fixed*.

These elements contain text.ModificationDate: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.ModificationDate: *No element is allowed*.

5.18.80 text.ModificationTime

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *datastyle*, *fixed*, *time*.

These elements contain text.ModificationTime: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.ModificationTime: *No element is allowed*.

5.18.81 text.Note

Requires the following attributes: *note*.

Allows the following attributes: *id*, *note*.

These elements contain text.Note: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.Note: *text.NoteBody*, *text.NoteCitation*.

5.18.82 text.NoteBody

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain text.NoteBody: *text.Note*.

The following elements occur in text.NoteBody: *dr3d.Scene*, *draw.A*, *draw.Caption*, *draw.Circle*, *draw.Connector*, *draw.Control*, *draw.CustomShape*, *draw.Ellipse*, *draw.Frame*, *draw.G*, *draw.Line*, *draw.Measure*, *draw.PageThumbnail*, *draw.Path*, *draw.Polygon*, *draw.Polyline*, *draw.Rect*, *draw.RegularPolygon*, *table.Table*, *text.AlphabeticalIndex*, *text.Bibliography*, *text.Change*, *text.ChangeEnd*, *text.ChangeStart*, *text.H*, *text.IllustrationIndex*, *text.List*, *text.NumberedParagraph*, *text.ObjectIndex*, *text.P*, *text.Section*, *text.TableIndex*, *text.TableOfContent*, *text.UserIndex*.

5.18.83 text.NoteCitation

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *label*.

These elements contain text.NoteCitation: *text.Note*.

The following elements occur in text.NoteCitation: *No element is allowed*.

5.18.84 text.NoteContinuationNoticeBackward

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain text.NoteContinuationNoticeBackward: *text.NotesConfiguration*.

The following elements occur in text.NoteContinuationNoticeBackward: *No element is allowed*.

5.18.85 text.NoteContinuationNoticeForward

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain text.NoteContinuationNoticeForward: *text.NotesConfiguration*.

The following elements occur in text.NoteContinuationNoticeForward: *No element is allowed*.

5.18.86 text.NoteRef

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *noteclass, referenceformat, refname.*

These elements contain text.NoteRef: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.NoteRef: *No element is allowed.*

5.18.87 text.NotesConfiguration

Requires the following attributes: *noteclass.*

Allows the following attributes: *citationbodystyle, citationstyle, defaultstyle, footnotesposition, masterpagename, noteclass, numformat, numlettersync, numprefix, numsuffix, startnumberingat, startvalue.*

These elements contain text.NotesConfiguration: *office.Styles, style.SectionProperties.*

The following elements occur in text.NotesConfiguration: *text.NoteContinuationNoticeBackward, text.NoteContinuationNoticeForward.*

5.18.88 text.Number

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain text.Number: *text.H, text.ListHeader, text.ListItem, text.NumberedParagraph.*

The following elements occur in text.Number: *No element is allowed.*

5.18.89 text.NumberedParagraph

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *continuenumbering, level, startvalue, style.*

These elements contain text.NumberedParagraph: *draw.TextBox, office.Text, table.CoveredTableCell, table.TableCell, text.Deletion, text.IndexBody, text.IndexTitle, text.NoteBody, text.Section.*

The following elements occur in text.NumberedParagraph: *text.H, text.Number, text.P.*

5.18.90 text.ObjectCount

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *numformat, numlettersync.*

These elements contain text.ObjectCount: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.ObjectCount: *No element is allowed.*

5.18.91 text.ObjectIndex

Requires the following attributes: *name.*

Allows the following attributes: *name, protected, protectionkey, style.*

These elements contain text.ObjectIndex: *draw.TextBox, office.Text, style.Footer, style.FooterLeft, style.Header, style.HeaderLeft, table.CoveredTableCell, table.TableCell, text.Deletion, text.IndexBody, text.IndexTitle, text.NoteBody, text.Section.*

The following elements occur in text.ObjectIndex: *text.IndexBody, text.ObjectIndexSource.*

5.18.92 text.ObjectIndexEntryTemplate

Requires the following attributes: *style.*

Allows the following attributes: *stylename*.

These elements contain text.ObjectIndexEntryTemplate: *text.ObjectIndexSource*.

The following elements occur in text.ObjectIndexEntryTemplate: *text.IndexEntryPageNumber*, *text.IndexEntrySpan*, *text.IndexEntryTabStop*, *text.IndexEntryText*.

5.18.93 text.ObjectIndexSource

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *indexscope*, *relativetabstopposition*, *usechartobjects*, *usedrawobjects*, *usemathobjects*, *useotherobjects*, *usespreadsheetobjects*.

These elements contain text.ObjectIndexSource: *text.ObjectIndex*.

The following elements occur in text.ObjectIndexSource: *text.IndexTitleTemplate*, *text.ObjectIndexEntryTemplate*.

5.18.94 text.OutlineLevelStyle

Requires the following attributes: *level*.

Allows the following attributes: *displaylevels*, *level*, *numformat*, *numlettersync*, *numprefix*, *numsuffix*, *startvalue*, *stylename*.

These elements contain text.OutlineLevelStyle: *text.OutlineStyle*.

The following elements occur in text.OutlineLevelStyle: *style.ListLevelProperties*, *style.TextProperties*.

5.18.95 text.OutlineStyle

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain text.OutlineStyle: *office.Styles*.

The following elements occur in text.OutlineStyle: *text.OutlineLevelStyle*.

5.18.96 text.P

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *classnames*, *condstylename*, *id*, *stylename*.

These elements contain text.P: *chart.Footer*, *chart.Subtitle*, *chart.Title*, *draw.Caption*, *draw.Circle*, *draw.Connector*, *draw.CustomShape*, *draw.Ellipse*, *draw.Image*, *draw.Line*, *draw.Measure*, *draw.Path*, *draw.Polygon*, *draw.Polyline*, *draw.Rect*, *draw.RegularPolygon*, *draw.TextBox*, *form.Textarea*, *office.Annotation*, *office.ChangeInfo*, *office.Text*, *style.Footer*, *style.FooterLeft*, *style.Header*, *style.HeaderLeft*, *style.RegionCenter*, *style.RegionLeft*, *style.RegionRight*, *table.ChangeTrackTableCell*, *table.CoveredTableCell*, *table.ErrorMessage*, *table.HelpMessage*, *table.TableCell*, *text.Deletion*, *text.IndexBody*, *text.IndexTitle*, *text.ListHeader*, *text.ListItem*, *text.NoteBody*, *text.NumberedParagraph*, *text.Section*.

The following elements occur in text.P: *dr3d.Scene*, *draw.A*, *draw.Caption*, *draw.Circle*, *draw.Connector*, *draw.Control*, *draw.CustomShape*, *draw.Ellipse*, *draw.Frame*, *draw.G*, *draw.Line*, *draw.Measure*, *draw.PageThumbnail*, *draw.Path*, *draw.Polygon*, *draw.Polyline*, *draw.Rect*, *draw.RegularPolygon*, *office.Annotation*, *presentation.DateTime*, *presentation.Footer*, *presentation.Header*, *text.A*, *text.AlphabeticalIndexMark*, *text.AlphabeticalIndexMarkEnd*, *text.AlphabeticalIndexMarkStart*, *text.AuthorInitials*, *text.AuthorName*, *text.BibliographyMark*, *text.Bookmark*, *text.BookmarkEnd*, *text.BookmarkRef*, *text.BookmarkStart*, *text.Change*, *text.ChangeEnd*, *text.ChangeStart*, *text.Chapter*, *text.ConditionalText*, *text.CreationDate*, *text.CreationTime*, *text.Creator*, *text.DatabaseDisplay*, *text.DatabaseName*, *text.DatabaseNext*, *text.DatabaseRowNumber*, *text.DatabaseRowSelect*, *text.Date*, *text.DdeConnection*,

text.Description, text.EditingCycles, text.EditingDuration, text.ExecuteMacro, text.Expression, text.FileName, text.HiddenParagraph, text.HiddenText, text.InitialCreator, text.Keywords, text.LineBreak, text.Measure, text.ModificationDate, text.ModificationTime, text.Note, text.NoteRef, text.ObjectCount, text.PageContinuation, text.PageNumber, text.PageVariableGet, text.PageVariableSet, text.Placeholder, text.PrintDate, text.PrintTime, text.PrintedBy, text.ReferenceMark, text.ReferenceMarkEnd, text.ReferenceMarkStart, text.Ruby, text.S, text.Script, text.SenderCity, text.SenderCompany, text.SenderCountry, text.SenderEmail, text.SenderFax, text.SenderFirstname, text.SenderInitials, text.SenderLastname, text.SenderPhonePrivate, text.SenderPhoneWork, text.SenderPosition, text.SenderPostalCode, text.SenderStateOrProvince, text.SenderStreet, text.SenderTitle, text.Sequence, text.SequenceRef, text.SheetName, text.Span, text.Subject, text.Tab, text.TableFormula, text.TemplateName, text.TextInput, text.Time, text.Title, text.TocMark, text.TocMarkEnd, text.TocMarkStart, text.UserDefined, text.UserFieldGet, text.UserFieldInput, text.UserIndexMark, text.UserIndexMarkEnd, text.UserIndexMarkStart, text.VariableGet, text.VariableInput, text.VariableSet.

5.18.97 text.Page

Requires the following attributes: *masterpagename*.

Allows the following attributes: *masterpagename*.

These elements contain text.Page: *text.PageSequence*.

The following elements occur in text.Page: *No element is allowed.*

5.18.98 text.PageContinuation

Requires the following attributes: *selectpage*.

Allows the following attributes: *selectpage, stringvalue*.

These elements contain text.PageContinuation: *text.A, text.H, text.P, text.RubyBase, text.Span*.

The following elements occur in text.PageContinuation: *No element is allowed.*

5.18.99 text.PageNumber

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fixed, numformat, numlettersync, pageadjust, selectpage*.

These elements contain text.PageNumber: *text.A, text.H, text.P, text.RubyBase, text.Span*.

The following elements occur in text.PageNumber: *No element is allowed.*

5.18.100 text.PageSequence

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain text.PageSequence: *office.Text*.

The following elements occur in text.PageSequence: *text.Page*.

5.18.101 text.PageVariableGet

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *numformat, numlettersync*.

These elements contain text.PageVariableGet: *text.A, text.H, text.P, text.RubyBase, text.Span*.

The following elements occur in text.PageVariableGet: *No element is allowed.*

5.18.102 text.PageVariableSet

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *active*, *pageadjust*.

These elements contain text.PageVariableSet: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.PageVariableSet: *No element is allowed*.

5.18.103 text.Placeholder

Requires the following attributes: *placeholder*type.

Allows the following attributes: *description*, *placeholder*type.

These elements contain text.Placeholder: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.Placeholder: *No element is allowed*.

5.18.104 text.PrintDate

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *data*style*name*, *date*value, *fixed*.

These elements contain text.PrintDate: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.PrintDate: *No element is allowed*.

5.18.105 text.PrintTime

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *data*style*name*, *fixed*, *time*value.

These elements contain text.PrintTime: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.PrintTime: *No element is allowed*.

5.18.106 text.PrintedBy

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *fixed*.

These elements contain text.PrintedBy: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.PrintedBy: *No element is allowed*.

5.18.107 text.ReferenceMark

Requires the following attributes: *name*.

Allows the following attributes: *name*.

These elements contain text.ReferenceMark: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.ReferenceMark: *No element is allowed*.

5.18.108 text.ReferenceMarkEnd

Requires the following attributes: *name*.

Allows the following attributes: *name*.

These elements contain text.ReferenceMarkEnd: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.ReferenceMarkEnd: *No element is allowed*.

5.18.109 text.ReferenceMarkStart

Requires the following attributes: *name*.

Allows the following attributes: *name*.

These elements contain text.ReferenceMarkStart: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.ReferenceMarkStart: *No element is allowed*.

5.18.110 text.Ruby

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *stylename.*

These elements contain text.Ruby: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.Ruby: *text.RubyBase, text.RubyText.*

5.18.111 text.RubyBase

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain text.RubyBase: *text.Ruby.*

The following elements occur in text.RubyBase: *dr3d.Scene, draw.A, draw.Caption, draw.Circle, draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.PageThumbnail, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon, office.Annotation, presentation.DateTime, presentation.Footer, presentation.Header, text.A, text.AlphabeticalIndexMark, text.AlphabeticalIndexMarkEnd, text.AlphabeticalIndexMarkStart, text.AuthorInitials, text.AuthorName, text.BibliographyMark, text.Bookmark, text.BookmarkEnd, text.BookmarkRef, text.BookmarkStart, text.Change, text.ChangeEnd, text.ChangeStart, text.Chapter, text.ConditionalText, text.CreationDate, text.CreationTime, text.Creator, text.DatabaseDisplay, text.DatabaseName, text.DatabaseNext, text.DatabaseRowNumber, text.DatabaseRowSelect, text.Date, text.DdeConnection, text.Description, text.EditingCycles, text.EditingDuration, text.ExecuteMacro, text.Expression, text.FileName, text.HiddenParagraph, text.HiddenText, text.InitialCreator, text.Keywords, text.LineBreak, text.Measure, text.ModificationDate, text.ModificationTime, text.Note, text.NoteRef, text.ObjectCount, text.PageContinuation, text.PageNumber, text.PageVariableGet, text.PageVariableSet, text.Placeholder, text.PrintDate, text.PrintTime, text.PrintedBy, text.ReferenceMark, text.ReferenceMarkEnd, text.ReferenceMarkStart, text.Ruby, text.S, text.Script, text.SenderCity, text.SenderCompany, text.SenderCountry, text.SenderEmail, text.SenderFax, text.SenderFirstname, text.SenderInitials, text.SenderLastname, text.SenderPhonePrivate, text.SenderPhoneWork, text.SenderPosition, text.SenderPostalCode, text.SenderStateOrProvince, text.SenderStreet, text.SenderTitle, text.Sequence, text.SequenceRef, text.SheetName, text.Span, text.Subject, text.Tab, text.TableFormula, text.TemplateName, text.TextInput, text.Time, text.Title, text.TocMark, text.TocMarkEnd, text.TocMarkStart, text.UserDefined, text.UserFieldGet, text.UserFieldInput, text.UserIndexMark, text.UserIndexMarkEnd, text.UserIndexMarkStart, text.VariableGet, text.VariableInput, text.VariableSet.*

5.18.112 text.RubyText

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *stylename.*

These elements contain text.RubyText: *text.Ruby.*

The following elements occur in text.RubyText: *No element is allowed.*

5.18.113 text.S

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *c.*

These elements contain text.S: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.S: *No element is allowed.*

5.18.114 text.Script

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *href, language, type.*

These elements contain text.Script: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.Script: *No element is allowed.*

5.18.115 text.Section

Requires the following attributes: *name.*

Allows the following attributes: *condition, display, name, protected, protectionkey, stylename.*

These elements contain text.Section: *draw.TextBox, office.Text, style.Footer, style.FooterLeft, style.Header, style.HeaderLeft, table.CoveredTableCell, table.TableCell, text.Deletion, text.IndexBody, text.IndexTitle, text.NoteBody, text.Section.*

The following elements occur in text.Section: *dr3d.Scene, draw.A, draw.Caption, draw.Circle, draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.PageThumbnail, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon, office.DdeSource, table.Table, text.AlphabeticalIndex, text.Bibliography, text.Change, text.ChangeEnd, text.ChangeStart, text.H, text.IllustrationIndex, text.List, text.NumberedParagraph, text.ObjectIndex, text.P, text.Section, text.SectionSource, text.TableIndex, text.TableOfContent, text.UserIndex.*

5.18.116 text.SectionSource

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *filtername, href, sectionname, show, type.*

These elements contain text.SectionSource: *text.Section.*

The following elements occur in text.SectionSource: *No element is allowed.*

5.18.117 text.SenderCity

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fixed.*

These elements contain text.SenderCity: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.SenderCity: *No element is allowed.*

5.18.118 text.SenderCompany

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fixed.*

These elements contain text.SenderCompany: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.SenderCompany: *No element is allowed.*

5.18.119 text.SenderCountry

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fixed.*

These elements contain text.SenderCountry: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.SenderCountry: *No element is allowed.*

5.18.120 text.SenderEmail

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fixed*.

These elements contain text.SenderEmail: *text.A, text.H, text.P, text.RubyBase, text.Span*.

The following elements occur in text.SenderEmail: *No element is allowed*.

5.18.121 text.SenderFax

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *fixed*.

These elements contain text.SenderFax: *text.A, text.H, text.P, text.RubyBase, text.Span*.

The following elements occur in text.SenderFax: *No element is allowed*.

5.18.122 text.SenderFirstname

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *fixed*.

These elements contain text.SenderFirstname: *text.A, text.H, text.P, text.RubyBase, text.Span*.

The following elements occur in text.SenderFirstname: *No element is allowed*.

5.18.123 text.SenderInitials

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *fixed*.

These elements contain text.SenderInitials: *text.A, text.H, text.P, text.RubyBase, text.Span*.

The following elements occur in text.SenderInitials: *No element is allowed*.

5.18.124 text.SenderLastname

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *fixed*.

These elements contain text.SenderLastname: *text.A, text.H, text.P, text.RubyBase, text.Span*.

The following elements occur in text.SenderLastname: *No element is allowed*.

5.18.125 text.SenderPhonePrivate

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *fixed*.

These elements contain text.SenderPhonePrivate: *text.A, text.H, text.P, text.RubyBase, text.Span*.

The following elements occur in text.SenderPhonePrivate: *No element is allowed*.

5.18.126 text.SenderPhoneWork

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *fixed*.

These elements contain text.SenderPhoneWork: *text.A, text.H, text.P, text.RubyBase, text.Span*.

The following elements occur in text.SenderPhoneWork: *No element is allowed*.

5.18.127 text.SenderPosition

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *fixed*.

These elements contain text.SenderPosition: *text.A, text.H, text.P, text.RubyBase, text.Span*.

The following elements occur in text.SenderPosition: *No element is allowed*.

5.18.128 **text.SenderPostalCode**

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fixed.*

These elements contain text.SenderPostalCode: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.SenderPostalCode: *No element is allowed.*

5.18.129 **text.SenderStateOrProvince**

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fixed.*

These elements contain text.SenderStateOrProvince: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.SenderStateOrProvince: *No element is allowed.*

5.18.130 **text.SenderStreet**

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fixed.*

These elements contain text.SenderStreet: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.SenderStreet: *No element is allowed.*

5.18.131 **text.SenderTitle**

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *fixed.*

These elements contain text.SenderTitle: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.SenderTitle: *No element is allowed.*

5.18.132 **text.Sequence**

Requires the following attributes: *name.*

Allows the following attributes: *formula, name, numformat, numlettersync, refname.*

These elements contain text.Sequence: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.Sequence: *No element is allowed.*

5.18.133 **text.SequenceDecl**

Requires the following attributes: *displayoutlinelevel, name.*

Allows the following attributes: *displayoutlinelevel, name, separationcharacter.*

These elements contain text.SequenceDecl: *text.SequenceDecls.*

The following elements occur in text.SequenceDecl: *No element is allowed.*

5.18.134 **text.SequenceDecls**

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain text.SequenceDecls: *office.Chart, office.Drawing, office.Presentation, office.Spreadsheet, office.Text, style.Footer, style.FooterLeft, style.Header, style.HeaderLeft.*

The following elements occur in text.SequenceDecls: *text.SequenceDecl.*

5.18.135 **text.SequenceRef**

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *referenceformat, refname.*

These elements contain text.SequenceRef: *text.A, text.H, text.P, text.RubyBase, text.Span*.
The following elements occur in text.SequenceRef: *No element is allowed*.

5.18.136 text.SheetName

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *No attribute is allowed*.

These elements contain text.SheetName: *text.A, text.H, text.P, text.RubyBase, text.Span*.

The following elements occur in text.SheetName: *No element is allowed*.

5.18.137 text.SortKey

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *key, sortascending*.

These elements contain text.SortKey: *text.BibliographyConfiguration*.

The following elements occur in text.SortKey: *No element is allowed*.

5.18.138 text.Span

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *classnames, stylename*.

These elements contain text.Span: *text.A, text.H, text.P, text.RubyBase, text.Span*.

The following elements occur in text.Span: *dr3d.Scene, draw.A, draw.Caption, draw.Circle, draw.Connector, draw.Control, draw.CustomShape, draw.Ellipse, draw.Frame, draw.G, draw.Line, draw.Measure, draw.PageThumbnail, draw.Path, draw.Polygon, draw.Polyline, draw.Rect, draw.RegularPolygon, office.Annotation, presentation.DateTime, presentation.Footer, presentation.Header, text.A, text.AlphabeticalIndexMark, text.AlphabeticalIndexMarkEnd, text.AlphabeticalIndexMarkStart, text.AuthorInitials, text.AuthorName, text.BibliographyMark, text.Bookmark, text.BookmarkEnd, text.BookmarkRef, text.BookmarkStart, text.Change, text.ChangeEnd, text.ChangeStart, text.Chapter, text.ConditionalText, text.CreationDate, text.CreationTime, text.Creator, text.DatabaseDisplay, text.DatabaseName, text.DatabaseNext, text.DatabaseRowNumber, text.DatabaseRowSelect, text.Date, text.DdeConnection, text.Description, text.EditingCycles, text.EditingDuration, text.ExecuteMacro, text.Expression, text.FileName, text.HiddenParagraph, text.HiddenText, text.InitialCreator, text.Keywords, text.LineBreak, text.Measure, text.ModificationDate, text.ModificationTime, text.Note, text.NoteRef, text.ObjectCount, text.PageContinuation, text.PageNumber, text.PageVariableGet, text.PageVariableSet, text.Placeholder, text.PrintDate, text.PrintTime, text.PrintedBy, text.ReferenceMark, text.ReferenceMarkEnd, text.ReferenceMarkStart, text.Ruby, text.S, text.Script, text.SenderCity, text.SenderCompany, text.SenderCountry, text.SenderEmail, text.SenderFax, text.SenderFirstname, text.SenderInitials, text.SenderLastname, text.SenderPhonePrivate, text.SenderPhoneWork, text.SenderPosition, text.SenderPostalCode, text.SenderStateOrProvince, text.SenderStreet, text.SenderTitle, text.Sequence, text.SequenceRef, text.SheetName, text.Span, text.Subject, text.Tab, text.TableFormula, text.TemplateName, text.TextInput, text.Time, text.Title, text.TocMark, text.TocMarkEnd, text.TocMarkStart, text.UserDefined, text.UserFieldGet, text.UserFieldInput, text.UserIndexMark, text.UserIndexMarkEnd, text.UserIndexMarkStart, text.VariableGet, text.VariableInput, text.VariableSet*.

5.18.139 text.Subject

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *fixed*.

These elements contain text.Subject: *text.A, text.H, text.P, text.RubyBase, text.Span*.

The following elements occur in text.Subject: *No element is allowed.*

5.18.140 text.Tab

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *tabref.*

These elements contain text.Tab: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.Tab: *No element is allowed.*

5.18.141 text.TableFormula

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *datastyle, display, formula.*

These elements contain text.TableFormula: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.TableFormula: *No element is allowed.*

5.18.142 text.TableIndex

Requires the following attributes: *name.*

Allows the following attributes: *name, protected, protectionkey, style.*

These elements contain text.TableIndex: *draw.TextBox, office.Text, style.Footer, style.FooterLeft, style.Header, style.HeaderLeft, table.CoveredTableCell, table.TableCell, text.Deletion, text.IndexBody, text.IndexTitle, text.NoteBody, text.Section.*

The following elements occur in text.TableIndex: *text.IndexBody, text.TableIndexSource.*

5.18.143 text.TableIndexEntryTemplate

Requires the following attributes: *style.*

Allows the following attributes: *style.*

These elements contain text.TableIndexEntryTemplate: *text.TableIndexSource.*

The following elements occur in text.TableIndexEntryTemplate: *text.IndexEntryPageNumber, text.IndexEntrySpan, text.IndexEntryTabStop, text.IndexEntryText.*

5.18.144 text.TableIndexSource

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *captionsequenceformat, captionsequencename, indexscope, relativetabstopposition, usecaption.*

These elements contain text.TableIndexSource: *text.TableIndex.*

The following elements occur in text.TableIndexSource: *text.IndexTitleTemplate, text.TableIndexEntryTemplate.*

5.18.145 text.TableOfContent

Requires the following attributes: *name.*

Allows the following attributes: *name, protected, protectionkey, style.*

These elements contain text.TableOfContent: *draw.TextBox, office.Text, style.Footer, style.FooterLeft, style.Header, style.HeaderLeft, table.CoveredTableCell, table.TableCell, text.Deletion, text.IndexBody, text.IndexTitle, text.NoteBody, text.Section.*

The following elements occur in text.TableOfContent: *text.IndexBody, text.TableOfContentSource.*

5.18.146 text.TableOfContentEntryTemplate

Requires the following attributes: *outlinelevel, style.*

Allows the following attributes: *outlinelevel*, *stylename*.

These elements contain text.TableOfContentEntryTemplate: *text.TableOfContentSource*.

The following elements occur in text.TableOfContentEntryTemplate: *text.IndexEntryChapter*, *text.IndexEntryLinkEnd*, *text.IndexEntryLinkStart*, *text.IndexEntryPageNumber*, *text.IndexEntrySpan*, *text.IndexEntryTabStop*, *text.IndexEntryText*.

5.18.147 text.TableOfContentSource

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *indexscope*, *outlinelevel*, *relativetabstopposition*, *useindexmarks*, *useindexsourcestyles*, *useoutlinelevel*.

These elements contain text.TableOfContentSource: *text.TableOfContent*.

The following elements occur in text.TableOfContentSource: *text.IndexSourceStyles*, *text.IndexTitleTemplate*, *text.TableOfContentEntryTemplate*.

5.18.148 text.TemplateName

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *display*.

These elements contain text.TemplateName: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.TemplateName: *No element is allowed*.

5.18.149 text.TextInput

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *description*.

These elements contain text.TextInput: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.TextInput: *No element is allowed*.

5.18.150 text.Time

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *datastylename*, *fixed*, *timeadjust*, *timevalue*.

These elements contain text.Time: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.Time: *No element is allowed*.

5.18.151 text.Title

Requires the following attributes: *No attribute is required*.

Allows the following attributes: *fixed*.

These elements contain text.Title: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.Title: *No element is allowed*.

5.18.152 text.TocMark

Requires the following attributes: *stringvalue*.

Allows the following attributes: *outlinelevel*, *stringvalue*.

These elements contain text.TocMark: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.TocMark: *No element is allowed*.

5.18.153 text.TocMarkEnd

Requires the following attributes: *id*.

Allows the following attributes: *id*.

These elements contain text.TocMarkEnd: *text.A, text.H, text.P, text.RubyBase, text.Span*.
The following elements occur in text.TocMarkEnd: *No element is allowed*.

5.18.154 text.TocMarkStart

Requires the following attributes: *id*.
Allows the following attributes: *id, outlinelevel*.
These elements contain text.TocMarkStart: *text.A, text.H, text.P, text.RubyBase, text.Span*.
The following elements occur in text.TocMarkStart: *No element is allowed*.

5.18.155 text.TrackedChanges

Requires the following attributes: *No attribute is required*.
Allows the following attributes: *trackchanges*.
These elements contain text.TrackedChanges: *office.Text*.
The following elements occur in text.TrackedChanges: *text.ChangedRegion*.

5.18.156 text.UserDefined

Requires the following attributes: *name*.
Allows the following attributes: *booleanvalue, datastylename, datevalue, fixed, name, stringvalue, timevalue, value*.
These elements contain text.UserDefined: *text.A, text.H, text.P, text.RubyBase, text.Span*.
The following elements occur in text.UserDefined: *No element is allowed*.

5.18.157 text.UserFieldDecl

Requires the following attributes: *name*.
Allows the following attributes: *booleanvalue, currency, datevalue, formula, name, stringvalue, timevalue, value, valuetype*.
These elements contain text.UserFieldDecl: *text.UserFieldDecls*.
The following elements occur in text.UserFieldDecl: *No element is allowed*.

5.18.158 text.UserFieldDecls

Requires the following attributes: *No attribute is required*.
Allows the following attributes: *No attribute is allowed*.
These elements contain text.UserFieldDecls: *office.Chart, office.Drawing, office.Presentation, office.Spreadsheet, office.Text, style.Footer, style.FooterLeft, style.Header, style.HeaderLeft*.
The following elements occur in text.UserFieldDecls: *text.UserFieldDecl*.

5.18.159 text.UserFieldGet

Requires the following attributes: *No attribute is required*.
Allows the following attributes: *datastylename, display, name*.
These elements contain text.UserFieldGet: *text.A, text.H, text.P, text.RubyBase, text.Span*.
The following elements occur in text.UserFieldGet: *No element is allowed*.

5.18.160 text.UserFieldInput

Requires the following attributes: *name*.
Allows the following attributes: *datastylename, description, name*.
These elements contain text.UserFieldInput: *text.A, text.H, text.P, text.RubyBase, text.Span*.
The following elements occur in text.UserFieldInput: *No element is allowed*.

5.18.161 **text.UserIndex**

Requires the following attributes: *name*.

Allows the following attributes: *name*, *protected*, *protectionkey*, *stylename*.

These elements contain text.UserIndex: *draw.TextBox*, *office.Text*, *style.Footer*, *style.FooterLeft*, *style.Header*, *style.HeaderLeft*, *table.CoveredTableCell*, *table.TableCell*, *text.Deletion*, *text.IndexBody*, *text.IndexTitle*, *text.NoteBody*, *text.Section*.

The following elements occur in text.UserIndex: *text.IndexBody*, *text.UserIndexSource*.

5.18.162 **text.UserIndexEntryTemplate**

Requires the following attributes: *outlinelevel*, *stylename*.

Allows the following attributes: *outlinelevel*, *stylename*.

These elements contain text.UserIndexEntryTemplate: *text.UserIndexSource*.

The following elements occur in text.UserIndexEntryTemplate: *text.IndexEntryChapter*, *text.IndexEntryPageNumber*, *text.IndexEntrySpan*, *text.IndexEntryTabStop*, *text.IndexEntryText*.

5.18.163 **text.UserIndexMark**

Requires the following attributes: *indexname*, *stringvalue*.

Allows the following attributes: *indexname*, *outlinelevel*, *stringvalue*.

These elements contain text.UserIndexMark: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.UserIndexMark: *No element is allowed*.

5.18.164 **text.UserIndexMarkEnd**

Requires the following attributes: *id*.

Allows the following attributes: *id*, *outlinelevel*.

These elements contain text.UserIndexMarkEnd: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.UserIndexMarkEnd: *No element is allowed*.

5.18.165 **text.UserIndexMarkStart**

Requires the following attributes: *id*, *indexname*.

Allows the following attributes: *id*, *indexname*, *outlinelevel*.

These elements contain text.UserIndexMarkStart: *text.A*, *text.H*, *text.P*, *text.RubyBase*, *text.Span*.

The following elements occur in text.UserIndexMarkStart: *No element is allowed*.

5.18.166 **text.UserIndexSource**

Requires the following attributes: *indexname*.

Allows the following attributes: *copyoutlinelevels*, *indexname*, *indexscope*, *relativetabstopposition*, *usefloatingframes*, *usegraphics*, *useindexmarks*, *useobjects*, *usetables*.

These elements contain text.UserIndexSource: *text.UserIndex*.

The following elements occur in text.UserIndexSource: *text.IndexSourceStyles*, *text.IndexTitleTemplate*, *text.UserIndexEntryTemplate*.

5.18.167 **text.VariableDecl**

Requires the following attributes: *name*, *valuetype*.

Allows the following attributes: *name*, *valuetype*.

These elements contain text.VariableDecl: *text.VariableDecls*.

The following elements occur in text.VariableDecl: *No element is allowed*.

5.18.168 text.VariableDecls

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain text.VariableDecls: *office.Chart, office.Drawing, office.Presentation, office.Spreadsheet, office.Text, style.Footer, style.FooterLeft, style.Header, style.HeaderLeft.*

The following elements occur in text.VariableDecls: *text.VariableDecl.*

5.18.169 text.VariableGet

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *datastylename, display, name.*

These elements contain text.VariableGet: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.VariableGet: *No element is allowed.*

5.18.170 text.VariableInput

Requires the following attributes: *name, valuetype.*

Allows the following attributes: *datastylename, description, display, name, valuetype.*

These elements contain text.VariableInput: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.VariableInput: *No element is allowed.*

5.18.171 text.VariableSet

Requires the following attributes: *name.*

Allows the following attributes: *booleanvalue, currency, datastylename, datevalue, display, formula, name, stringvalue, timevalue, value, valuetype.*

These elements contain text.VariableSet: *text.A, text.H, text.P, text.RubyBase, text.Span.*

The following elements occur in text.VariableSet: *No element is allowed.*

5.19 xforms module

5.19.1 xforms.Model

Requires the following attributes: *No attribute is required.*

Allows the following attributes: *No attribute is allowed.*

These elements contain xforms.Model: *office.Forms.*

The following elements occur in xforms.Model: *Any element is allowed.*

6 Convenience modules

The convenience modules are classes that implement often-used functionality.

6.1 Userfield module

The userfield module lets you extract and modify userfield variable declarations in an OpenDocument file.

To start, you first open the document with:

```
from odf.userfield import UserFields
obj = UserFields(inputfile, outputfile)
```

Outputfile can be None. The object has the following methods:

<code>list_fields()</code>	Returns list of user-field names.
<code>list_fields_and_values()</code>	List (extract) user-fields with type and value.
<code>get(name)</code>	Extract the contents of this field. Returns field value or None if field does not exist.
<code>get_type_and_value(name)</code>	Extract the type and contents of this field from the file.
<code>update(values)</code>	Set the value of user fields. The field types will be the same. The argument is a dictionary with field name as key, field value as value.

6.2 Teletype module

XML has the “feature” that consecutive whitespace – i.e. spaces, newlines and tabs is squashed into one space. It makes it easy to fold XML source code, but if you are adding text from a plain text document, you might want to keep those.

```
from odf import text, teletype
from odf.opendocument import OpenDocumentText
doc = OpenDocumentText()

para = text.P()
teletype.addTextToElement(para, "milk\t2 liters!\nsugar\nflour\n")
textdoc.text.addElement(p)
textdoc.save("my document.odt")
```

When you load a document, you can also conveniently convert the whitespace structural elements back into the teletype conventions like this:

```
from odf import text, teletype
from odf.opendocument import load

textdoc = load("my document.odt")
allparas = textdoc.getElementsByType(text.P)
print teletype.extractText(allparas[0])
```

6.3 Easyliststyle module

Creating a `<text:list-style>` element with all of its child `<text:list-level-style-number>` (or -bullet) elements takes a lot of code. The `easyliststyle.py` module lets you specify the level styles in a delimited string. Here’s a sample call:

```
from odf import easyliststyle
listStyle = easyliststyle.styleFromString( 'num1',    # style name
    'I;1.;(a)',    # the level specification string
    ';',           # the delimiter character
    '1.0cm',       # spacing as a CSS length
    easyliststyle.SHOW_ONE_LEVEL ) # show only one level of numbering
```

The specification string "I;1.;(a)" given here says that level one uses uppercase roman numerals, level two uses arabic numerals followed by a period, and level three uses lowercase letters in parentheses.

If a level specification doesn’t contain 1, I, i, A, or a, then it is presumed to be a bullet style.

You may also use a list to specify each level’s list style; in this case you call `styleFromList`.

7 Examples

7.1 Creating a table in OpenDocument text

This example reads the UNIX `/etc/passwd` file and creates a table with seven columns. Unlike in HTML tables, ODF tables must have declared column widths. For those who don't know `/etc/passwd`, it is a wellknown text file in Linux with seven colon-separated values.

```
#!/usr/bin/env python
# -*- coding: utf-8 -*-
from odf.opendocument import OpenDocumentText
from odf.style import Style, TextProperties, ParagraphProperties
from odf.style import TableColumnProperties
from odf.text import P
from odf.table import Table, TableColumn, TableRow, TableCell

doc = OpenDocumentText()
# Create a style for the table content. One we can modify
# later in the word processor.
tablecontents = Style(name="Table Contents", family="paragraph")
tablecontents.addElement(ParagraphProperties(numberlines="false",
linenumber="0"))
doc.styles.addElement(tablecontents)

# Create automatic styles for the column widths.
# We want two different widths, one in inches, the other one in metric.
# ODF Standard section 15.9.1
widthshort = Style(name="Wshort", family="table-column")
widthshort.addElement(TableColumnProperties(columnwidth="1.7cm"))
doc.automaticstyles.addElement(widthshort)

widthwide = Style(name="Wwide", family="table-column")
widthwide.addElement(TableColumnProperties(columnwidth="1.5in"))
doc.automaticstyles.addElement(widthwide)

# Start the table, and describe the columns
table = Table()
table.addElement(TableColumn(numbercolumnsrepeated=4, stylename=widthshort))
table.addElement(TableColumn(numbercolumnsrepeated=3, stylename=widthwide))

f = open('/etc/passwd')
for line in f:
    rec = line.strip().split(":")
    tr = TableRow()
    table.addElement(tr)
    for val in rec:
        tc = TableCell()
        tr.addElement(tc)
        p = P(stylename=tablecontents, text=val)
        tc.addElement(p)

doc.text.addElement(table)
doc.save("passwd", True)
```

7.2 Creating the table as a spreadsheet

The spreadsheet version is almost identical. I have highlighted with *italics* and underscore where the differences are. But you can definitely simplify it further. E.g. you don't need the *Table Contents* style in a spreadsheet.

```
#!/usr/bin/env python
```



```

# -*- coding: utf-8 -*-
from odf.opendocument import OpenDocumentSpreadsheet
from odf.style import Style, TextProperties, ParagraphProperties
from odf.style import TableColumnProperties
from odf.text import P
from odf.table import Table, TableColumn, TableRow, TableCell

doc = OpenDocumentSpreadsheet()
# Create a style for the table content. One we can modify
# later in the word processor.
tablecontents = Style(name="Table Contents", family="paragraph")
tablecontents.addElement(ParagraphProperties(numberlines="false",
linenumber="0"))
doc.styles.addElement(tablecontents)

# Create automatic styles for the column widths.
# We want two different widths, one in inches, the other one in metric.
# ODF Standard section 15.9.1
widthshort = Style(name="Wshort", family="table-column")
widthshort.addElement(TableColumnProperties(columnwidth="1.7cm"))
doc.automaticstyles.addElement(widthshort)

widthwide = Style(name="Wwide", family="table-column")
widthwide.addElement(TableColumnProperties(columnwidth="1.5in"))
doc.automaticstyles.addElement(widthwide)

# Start the table, and describe the columns
table = Table(name="Password")
table.addElement(TableColumn(numbercolumnsrepeated=4,stylename=widthshort))
table.addElement(TableColumn(numbercolumnsrepeated=3,stylename=widthwide))

f = open('/etc/passwd')
for line in f:
    rec = line.strip().split(":")
    tr = TableRow()
    table.addElement(tr)
    for val in rec:
        tc = TableCell()
        tr.addElement(tc)
        p = P(stylename=tablecontents,text=val)
        tc.addElement(p)

doc.spreadsheet.addElement(table)
doc.save("passwd", True)

```

7.3 Photo album

This example creates a simple photo album with an automatic slide transition after five seconds. Every drawing page must have a master page assigned to it. We create a simple placeholder that can't be used to adjust all slides at once. If your pictures aren't of the dimensions 4x3, they will look distorted. I'll leave that as an exercise left for the reader.

```

from odf.opendocument import OpenDocumentPresentation
from odf.style import Style, MasterPage, PageLayout, PageLayoutProperties, \
TextProperties, GraphicProperties, ParagraphProperties, DrawingPageProperties
from odf.text import P
from odf.draw import Page, Frame, TextBox, Image

doc = OpenDocumentPresentation()

# We must describe the dimensions of the page
pagelayout = PageLayout(name="MyLayout")

```

```

doc.automaticstyles.addElement(pagelayout)
pagelayout.addElement(PageLayoutProperties(margin="0cm", pagewidth="28cm",
pageheight="21cm", printorientation="landscape"))

# Style for the title frame of the page
# We set a centered 34pt font with yellowish background
titlestyle = Style(name="MyMaster-title", family="presentation")
titlestyle.addElement(ParagraphProperties(textalign="center"))
titlestyle.addElement(TextProperties(fontsize="34pt"))
titlestyle.addElement(GraphicProperties(fillcolor="#ffff99"))
doc.styles.addElement(titlestyle)

# Style for the photo frame
photostyle = Style(name="MyMaster-photo", family="presentation")
doc.styles.addElement(photostyle)

# Create automatic transition - MUST be named dp1
dpstyle = Style(name="dp1", family="drawing-page")
dpstyle.addElement(DrawingPageProperties(transitiontype="automatic",
transitionstyle="move-from-top", duration="PT05S"))
doc.automaticstyles.addElement(dpstyle)

# Every drawing page must have a master page assigned to it.
masterpage = MasterPage(name="MyMaster", pagelayoutname=pagelayout)
doc.masterstyles.addElement(masterpage)

# Slides
for picture in [('forum.jpg', 'Forum Romanum'), ('colosseum.jpg', 'Colosseum')]:
    page = Page(stylename=dpstyle, masterpagename=masterpage)
    doc.presentation.addElement(page)
    titleframe = Frame(stylename=titlestyle, width="25cm", height="2cm",
x="1.5cm", y="0.5cm")
    page.addElement(titleframe)
    textbox = TextBox()
    titleframe.addElement(textbox)
    textbox.addElement(P(text=picture[1]))

    # Photo set to 25x18.75 cm.
    photoframe = Frame(stylename=photostyle, width="25cm", height="18.75cm",
x="1.5cm", y="2.5cm")
    page.addElement(photoframe)
    href = doc.addPicture(picture[0])
    photoframe.addElement(Image(href=href))

doc.save("trip-to-rome", True)

```

See the examples folder in the source package for these examples and others.