References

Release

Author

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Dimension

1.1 References

- rinoh.dimension.PERCENT, PERCENT
- rinoh.dimension.Dimension.grow(), Dimension.grow()

1.2 Automodule

Classes for expressing dimensions: lengths, widths, line thickness, etc.

Each dimension is expressed in terms of a unit. Several common units are are defined here as constants. To create a new dimension, multiply number with a unit:

```
height = 100*PT
width = 50*PERCENT
```

Fractional dimensions are evaluated within the context they are defined in. For example, the width of a `Flowable` is evaluated with respect to the total width available to it.

rinoh.dimension.CM = DimensionUnit(28.346456692913385, 'cm')
centimeter

class rinoh.dimension.**Dimension** (*value=0*, *unit=None*)
A simple dimension

Parameters
- **value** (*int or float*) – the magnitude of the dimension
- **unit** (*DimensionUnit*) – the unit this dimension is expressed in. Default: PT.

grow (*value*)
Grow this dimension (in-place)
The `value` is interpreted as a magnitude expressed in the same unit as this dimension.

Parameters **value** (*int or float*) – the amount to add to the magnitude of this dimension

Returns this (growed) dimension itself

Return type Dimension

rinoh.dimension.INCH = DimensionUnit(72.0, 'in')
imperial/US inch

rinoh.dimension.**MM = DimensionUnit(2.8346456692913384, 'mm')**
millimeter

rinoh.dimension.**PERCENT = FractionUnit(100, '%')**
fraction of 100

rinoh.dimension.**PICA = DimensionUnit(12.0, 'pc')**
computer pica

rinoh.dimension.**PT = DimensionUnit(1.0, 'pt')**
PostScript points

rinoh.dimension.**QUARTERS = FractionUnit(4, '/4')**
fraction of 4

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