## Gura モジュールリファレンス - cairo

Updated: January 5, 2014

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Official site: <a href="http://www.gura-lang.org/">http://www.gura-lang.org/</a>

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### 1. このリファレンスについて

本リファレンスは Gura の cairo モジュールで定義されている関数やクラスの仕様について説明します。 Cairo のオフィシャルサイトは http://cairographics.org/ です。

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cairo.SURFACE_TYPE_QUARTZ_IMAGE	
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cairo.SURFACE_TYPE_QT	
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#### 2.3. cairo.surface クラス

2.3.1. インスタンスメソッド

```
cairo.surface#copy page():reduce
cairo.surface#finish():reduce
cairo.surface#flush():reduce
cairo.surface#get content()
cairo.surface#get device()
cairo.surface#get device offset()
cairo.surface#get fallback resolution()
cairo.surface#get font options()
cairo.surface#get mime data()
cairo.surface#has show text glyphs()
cairo.surface#mark dirty():reduce
cairo.surface#mark dirty rectangle(x:number, y:number,
                                                                width:number,
   height:number):reduce
cairo.surface#set device offset(x offset:number, y offset:number):reduce
cairo.surface#set fallback resolution(x pixels per inch:number, y pixels per inch:number):reduce
cairo.surface#set mime data():reduce
cairo.surface#show page():reduce
2.4. cairo.pattern 0.7
2.4.1. インスタンスの生成
cairo.pattern create color(color:color, alpha?:number) {block?}
cairo.pattern create for surface(surface:surface) {block?}
cairo.pattern create linear(x0:number, y0:number, x1:number, y1:number)
   {block?}
cairo.pattern create radial(cx0:number, cy0:number, radius0:number,
                          cx1:number, cy1:number, radius1:number) {block?}
```

```
cairo.pattern create rgb(red:number, green:number, blue:number) {block?}
cairo.pattern create rgba(red:number, green:number, blue:number, alpha:number)
   {block?}
2.4.2. インスタンスメソッド
cairo.pattern#add color stop rgb(offset:number, red:number, green:number, blue:number):reduce
cairo.pattern#add color stop rgba(offset:number, red:number,
                                                        green:number,
                                                                      blue:number.
   alpha:number):reduce
cairo.pattern#get color stop count()
cairo.pattern#get color stop rgba(index:number)
cairo.pattern#get extend()
cairo.pattern#get filter()
cairo.pattern#get linear points()
cairo.pattern#get matrix()
cairo.pattern#get radial circles():reduce
cairo.pattern#get rgba()
cairo.pattern#get surface()
cairo.pattern#set extend(extend:symbol):reduce
cairo.pattern#set filter(filter:symbol):reduce
cairo.pattern#set matrix(matrix:matrix):reduce
2.5. cairo.region クラス
2.5.1. インスタンスメソッド
cairo.region#contains point(x:number, y:number)
cairo.region#contains rectangle(rectangle:rectangle int)
cairo.region#equal(region:region)
cairo.region#intersect(other:region)
cairo.region#intersect rectangle(rectangle:rectangle int)
cairo.region#is empty()
```

```
cairo.region#subtract(other:region)
cairo.region#subtract rectangle(rectangle:rectangle int)
cairo.region#translate(dx:number, dy:number)
cairo.region#union(other:region)
cairo.region#union rectangle(rectangle:rectangle int)
cairo.region#xor(other:region)
cairo.region#xor rectangle(rectangle:rectangle int)
2.6. cairo.context 0.5
2.6.1. インスタンスの生成
cairo.emf create(filename:string, width in points:number, height in points:number)
   {block?}
cairo.image create(width:number, height:number, color?:color) {block?}
cairo.pdf create(stream:stream, width in points:number, height in points:number)
   {block?}
cairo.ps create(stream:stream, width in points:number, height in points:number)
   {block?}
cairo.svg create(stream:stream, width in points:number, height in points:number)
   {block?}
       インスタンスメソッド
2.6.2.
cairo.context#arc(xc:number, yc:number, radius:number, angle1?:number, angle2?:number):map:reduce
cairo.context#arc negative(xc:number, yc:number,
                                                  radius:number,
                                                                   angle1?:number,
  angle2?:number):map:reduce
cairo.context#clip():reduce
cairo.context#clip extents()
cairo.context#clip preserve():reduce
```

```
cairo.context#close path():reduce
cairo.context#copy clip rectangle list()
cairo.context#copy page():reduce
cairo.context#copy path()
cairo.context#copy path flat()
cairo.context#curve to(x1:number, y1:number,
                                           x2:number,
                                                        y2:number,
                                                                      x3:number,
  y3:number):map:reduce
cairo.context#device to user(x:number, y:number)
cairo.context#device to user distance(dx:number, dy:number)
cairo.context#fill():reduce
cairo.context#fill extents():reduce
cairo.context#fill preserve():reduce
cairo.context#font extents()
cairo.context#get antialias()
cairo.context#get current point()
cairo.context#get dash()
cairo.context#get fill rule()
cairo.context#get font face()
cairo.context#get font matrix()
cairo.context#get font options()
cairo.context#get group target()
cairo.context#get line cap()
cairo.context#get line join()
cairo.context#get line width()
cairo.context#get matrix()
cairo.context#get miter limit()
cairo.context#get operator()
```

```
cairo.context#get scaled font()
cairo.context#get source()
cairo.context#get target()
cairo.context#get tolerance()
cairo.context#glyph extents()
cairo.context#has current point()
cairo.context#identity matrix():reduce
cairo.context#in clip(x:number, y:number)
cairo.context#in fill(x:number, y:number)
cairo.context#in stroke(x:number, y:number)
cairo.context#line to(x:number, y:number):map:reduce
cairo.context#mask(pattern:pattern):reduce
cairo.context#mask surface(surface:surface, surface x:number, surface y:number):reduce
cairo.context#move to(x:number, y:number):map:reduce
cairo.context#new path():reduce
cairo.context#new sub path():reduce
cairo.context#paint():reduce
cairo.context#paint with alpha(alpha:number):reduce
cairo.context#path extents()
cairo.context#pop group()
cairo.context#pop group to source():reduce
cairo.context#push group():reduce
cairo.context#push group with content(content:symbol):reduce
cairo.context#rectangle(x:number,
                                             y:number, width:number,
   height:number):map:reduce
cairo.context#rel curve to(dx1:number, dy1:number,
                                             dx2:number,
                                                          dy2:number,
                                                                      dx3:number,
  dy3:number):map:reduce
```

```
cairo.context#rel line to(dx:number, dy:number):map:reduce
cairo.context#rel move to(dx:number, dy:number):map:reduce
cairo.context#reset clip():reduce
cairo.context#restore():reduce
cairo.context#rotate(angle:number):reduce
cairo.context#save():reduce {block?}
cairo.context#scale(sx:number, sy:number):reduce
cairo.context#select font face(family:string,
                                                                slant:symbol,
   weight:symbol):reduce
cairo.context#set antialias(antialias:symbol):reduce
cairo.context#set dash(dashes[]:number, offset:number):reduce
cairo.context#set fill rule(fill rule:symbol):reduce
cairo.context#set font face():reduce
cairo.context#set font matrix(matrix:matrix):reduce
cairo.context#set font options(options:font options):reduce
cairo.context#set font size(size:number):reduce
cairo.context#set line cap(line cap:symbol):reduce
cairo.context#set line join(line join:symbol):reduce
cairo.context#set line width(width:number):reduce
cairo.context#set matrix(matrix:matrix):reduce
cairo.context#set miter limit(limit:number):reduce
cairo.context#set operator(op:symbol):reduce
cairo.context#set scaled font():reduce
cairo.context#set source(source:pattern):reduce
cairo.context#set source color(color:color, alpha?:number):reduce
cairo.context#set source rgb(red:number, green:number, blue:number):reduce
cairo.context#set source rgba(red:number,
                                            green:number,
                                                                  blue:number,
```

alpha:number):reduce

cairo.context#set\_source\_surface(surface:surface, x:number, y:number):reduce
cairo.context#set\_tolerance(tolerance:number):reduce
cairo.context#show\_glyphs(glyphs[]:glyph):reduce
cairo.context#show\_page():reduce
cairo.context#show\_text(text:string):reduce
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cairo.context#stroke\_preserve():reduce
cairo.context#text\_extents(text:string)
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