Compound Formats Sample

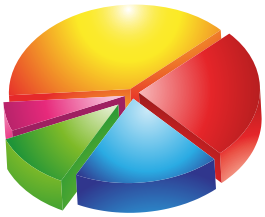
Barcodes

$$f'(a) = \lim_{h \to 0} \frac{f(a+h) - f(a)}{h}$$

MathML

using the JavaScript library

MathJax



SVG

1. Barcodes

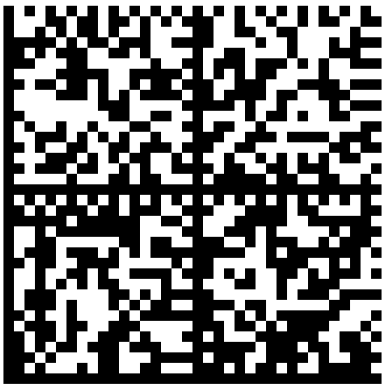
This chapter shows the barcode capabilities of PDFreactor by displaying various types of barcodes.

1.1. 2D-Barcodes

QR Code

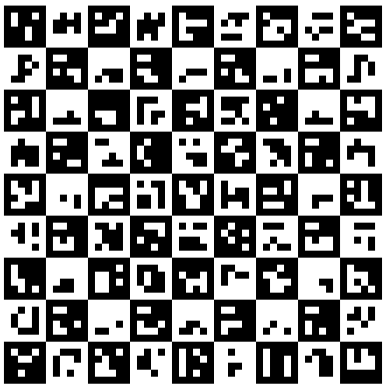
PDF417

DataMatrix

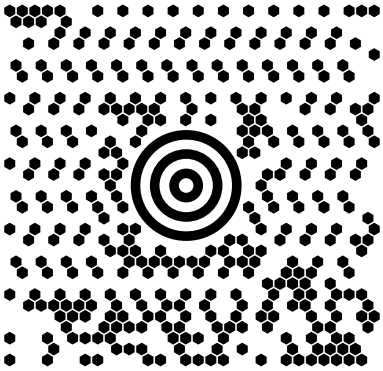


Aztec Code

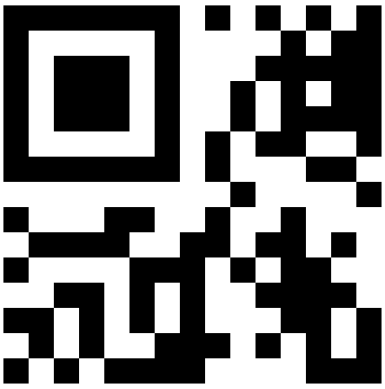
Grid Matrix



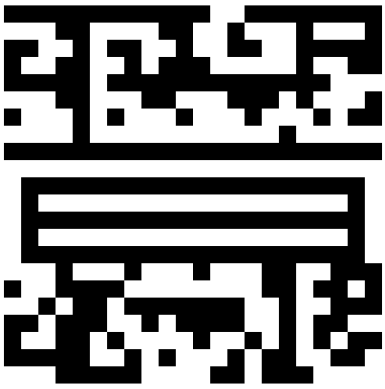
Maxicode



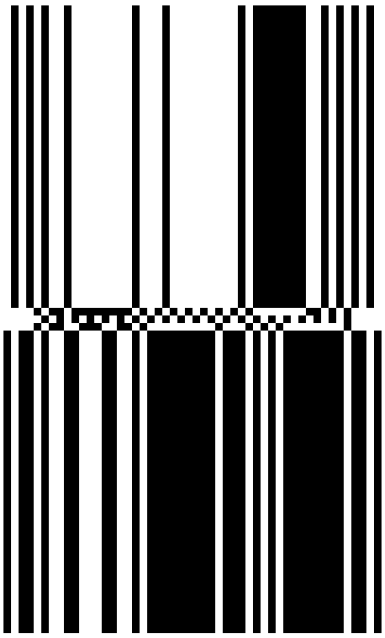
Micro QR



Code One



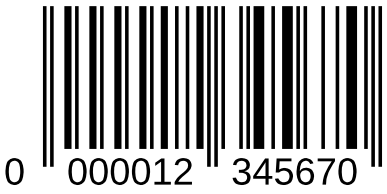
GS1 Databar Omnidirectional



1.2. Retail Barcodes

EAN-13

EAN-8



GS1-128 (EAN-128)

ITF-14:

UPC-A

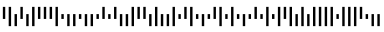
UPC-E:

1.3. Postal Barcodes

POSTNET

Dutch Post Kixcode

USPS OneCode (Intelligent Mail)



Korea Post

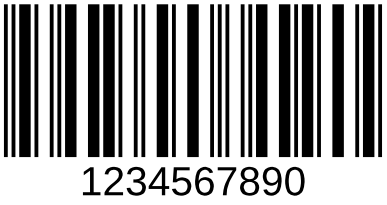
Deutsche Post Leitcode

Australia Post

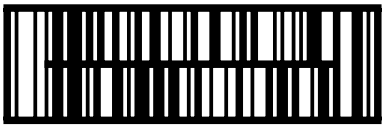
1.4. Various Barcodes

Code 128

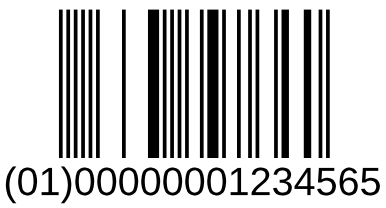
Interleaved 2 of 5



Codablock F

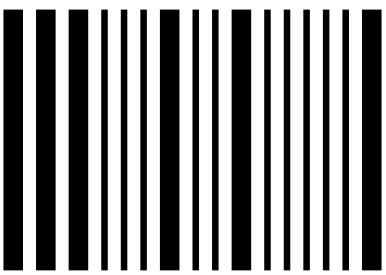


GS1 Databar Limited



Logmars

Pharmacode



2. MathML

This chapter displays various types of mathematical formulas, using the JavaScript library MathJax to convert MathML to SVG. (A reduced version of MathJax 2.7.5 is included with this sample, under the Apache License 2.0) MathJax can be used without changing source documents via a user-script included in the PDFreactor package.

$$\int_0^1 \frac{\mathrm{dx}}{(a+1)\sqrt{x}} = \pi$$

$$\int_{\mathrm{E}} (\alpha f + \beta g)\,\mathrm{d}\,\mu = \alpha \int_{\mathrm{E}} f\,\mathrm{d}\,\mu + \beta \int_{\mathrm{E}} g\,\mathrm{d}\,\mu$$

$$A = \begin{pmatrix} 9 & 8 & 6 \\ 1 & 2 & 7 \\ 4 & 9 & 2 \\ 6 & 0 & 5 \end{pmatrix} \text{ or } A = \begin{bmatrix} 9 & 8 & 6 \\ 1 & 2 & 7 \\ 4 & 9 & 2 \\ 6 & 0 & 5 \end{bmatrix}$$

$$\begin{bmatrix} a_{11} - \lambda & \cdots & a_{1\mathrm{n}} \\ \vdots & \ddots & \vdots \\ a_{\mathrm{n}1} & \cdots & a_{\mathrm{nn}} - \lambda \end{bmatrix} \begin{bmatrix} x_1 \\ \vdots \\ x_{\mathrm{n}} \end{bmatrix} = 0$$

$$\sqrt{x-3} + \sqrt{3x} + \sqrt{\frac{\sqrt{3x}}{x-3}} + i\frac{y}{\sqrt{2(r+x)}}$$

$$\sum_{n=0}^{t} f(2n) + \sum_{n=0}^{t} f(2n+1) = \sum_{n=0}^{2t+1} f(n)$$

$$\sqrt{x^2} = |x| = \begin{cases} +\mathrm{x} & , \text{if } x > 0 \\ 0 & , \text{if } x = 0 \\ -\mathrm{x} & , \text{if } x < 0 \end{cases}$$

$$H(j\omega) = \begin{cases} x^{-j\omega\sigma_0} & \text{for } \mid \omega \mid < \omega_\sigma \\ 0 & \text{for } \mid \omega \mid > \omega_\sigma \end{cases}$$

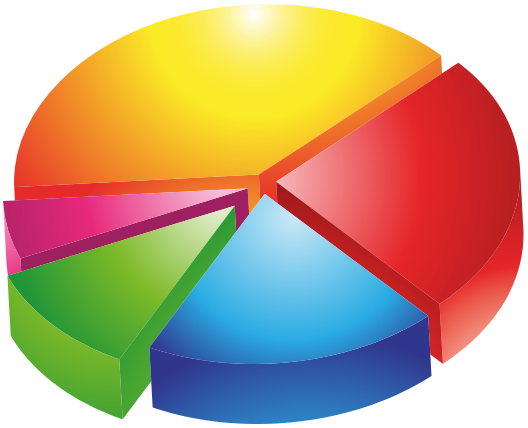
$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

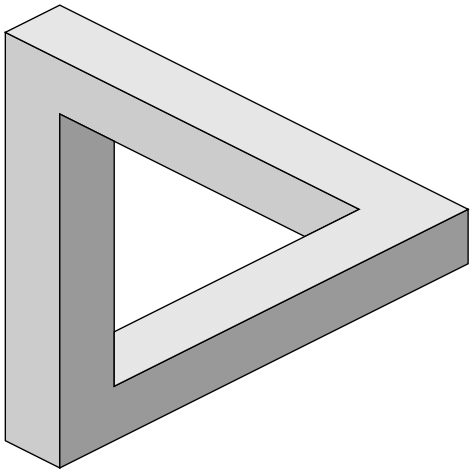
$$f'(a) = \lim_{\mathrm{h} \to 0} \frac{f(a+h) - f(a)}{h}$$

$$1 + \sum_{k=1}^{\infty} \frac{q^{k+k^2}}{(1-q)(1-q^2)\ldots(1-q^{\mathrm{k}})} = \prod_{j=0}^{\infty} \frac{1}{(1-q^{5j+2})(1-q^{5j+3})}, \text{ for } |q| < 1$$

3. Scalable Vector Graphics

This chapter shows the SVG capabilities of PDFreactor by displaying various types of scalable vector graphics.





4. PDF Images

This chapter shows that PDFreactor can automatically embed other PDFs as images. Any page from the PDF can be displayed as an image, in this case we are displaying the second page.