

# Testing PGF and TikZ support in DocOnce

Kristian Gregorius Hustad ([krihus@ifi.uio.no](mailto:krihus@ifi.uio.no))

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## 1 A modest beginning



Figure 1: This shape is commonly referred to a *straight line*.

Lines such as the one in figure 1 can be combined to form other shapes.

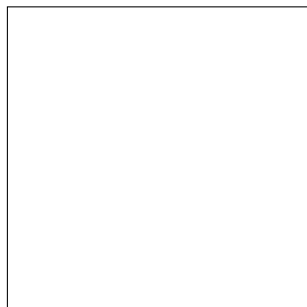


Figure 2: This square is formed by four straight lines.

A grid can also be made from straight lines.

A `fig/circle.tikz`, however, cannot be formed by a finite number of straight lines.

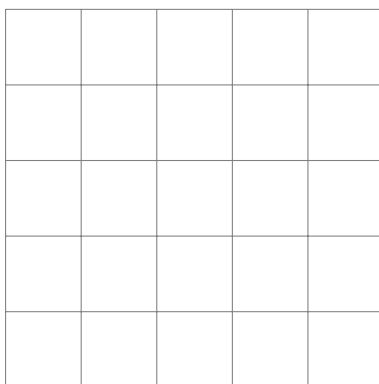


Figure 3: This is a grid with 5 x 5 cells

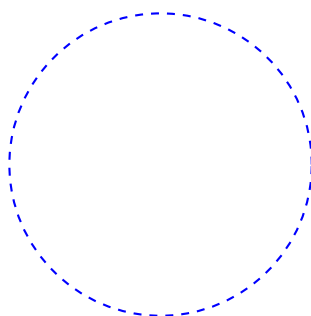


Figure 4: This circle is drawn in blue with a dashed line.

## 2 More advanced figures

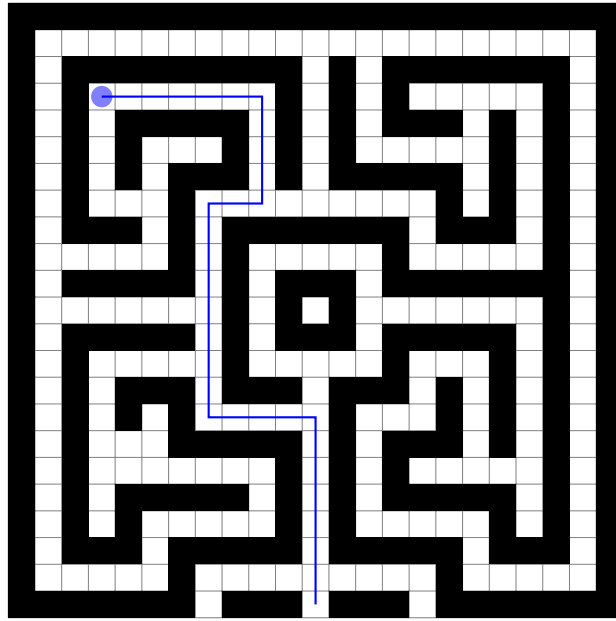


Figure 5: A maze can be drawn by combining the elements above.

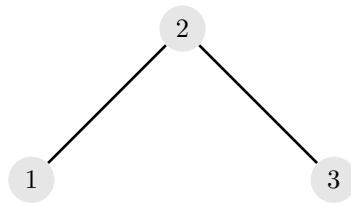
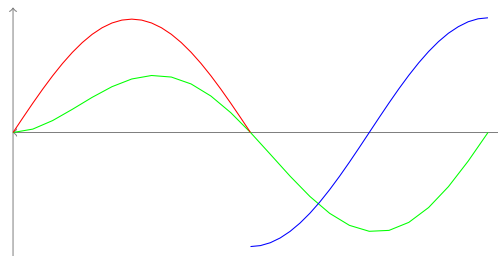


Figure 6: TikZ is quite well suited to draw graphs.

### 3 Plotting functions

TikZ can be used to plot functions. The next figure will be inlined.



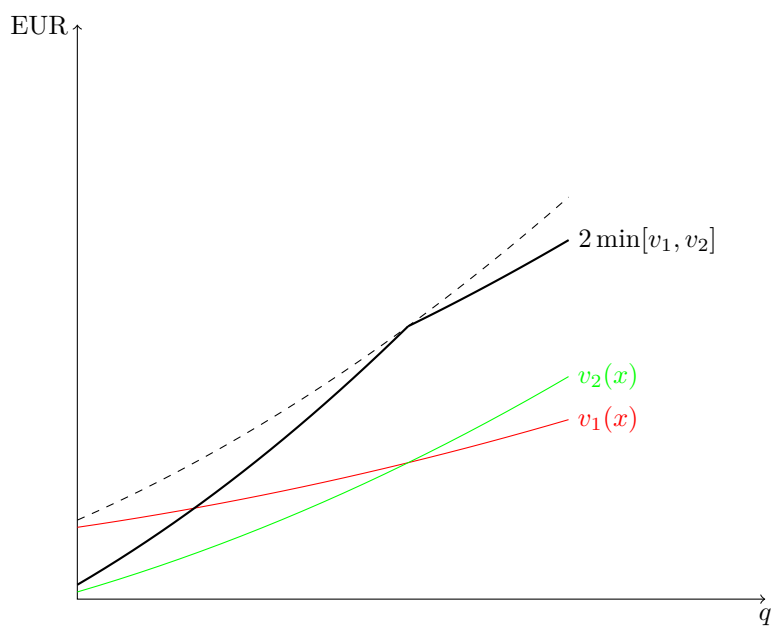


Figure 7: The functions can even be labeled!