

# An example of using L<sup>A</sup>T<sub>E</sub>X and GNUplot: the exponential function

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The exponential function can be defined as a solution to the differential equation:

$$y'(x) = y(x) , \quad (1)$$

with boundary condition:

$$y(0) = 1 . \quad (2)$$

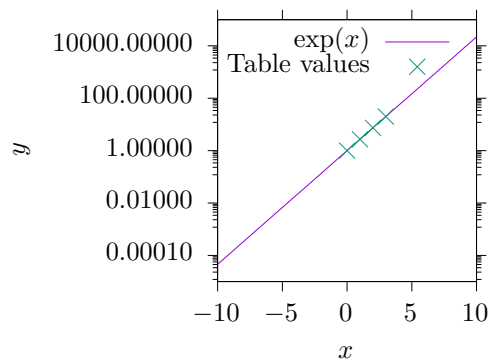


Figure 1: Illustration of the exp function.