

# the importance of being Fractal

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- To solve the differential equation  $y'' - y' - 2y = 0$ ,
- substitute the exponential  $y = \exp(\lambda t)$ ,
- and deduce that  $\lambda^2 - \lambda - 2 = 0$ .

$$a^2 + b^2 = c^2$$

$$\log x = \int_1^x \frac{1}{t} dt \tag{1}$$