

# LaTeX Test

The *Fourier transform* of a real- or complex-valued function  $f(t)$  is defined by

$$F(f)(x) = \mathcal{F}f(x) = \frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} f(t) e^{ixt} dt.$$

<https://dlmf.nist.gov/1.14>