Trasformate di Fourier di funzioni.

$u(t)$	$\hat{u}(f) := \int_{-\infty}^{+\infty} u(t) e^{-2\pi i f t}\, dt$	
$H(t)e^{-at}$	$\dfrac{1}{a + 2\pi i f}$	$a \in \mathbb{C},\ \operatorname{Re} a > 0$
$e^{-a\|t\|}$	$\dfrac{2a}{a^2 + (2\pi f)^2}$	$a \in \mathbb{C},\ \operatorname{Re} a > 0$
$\dfrac{1}{a^2 + t^2}$	$\dfrac{\pi}{a} e^{-a\|2\pi f\|}$	$a \in \mathbb{C},\ \operatorname{Re} a > 0$
$e^{-\pi t^2}$	$e^{-\pi f^2}$	
$\dfrac{1}{\sqrt{2\pi}\sigma} e^{-\frac{t^2}{2\sigma^2}}$	$e^{-2\pi^2 \sigma^2 f^2}$	$\sigma \in \mathbb{C},\ \|\arg(\sigma)\| < \pi/4$
$H(t) t^{\beta-1} e^{-at}$	$\dfrac{\Gamma(\beta)}{(a + 2\pi i f)^\beta}$	$a, \beta \in \mathbb{C},\ \operatorname{Re} a, \operatorname{Re} \beta > 0$
$\dfrac{1}{(t-a)^n}$	$2\pi i H(-f) \dfrac{(-2\pi i f)^{n-1}}{(n-1)!} e^{-2\pi i a f}$	$a \in \mathbb{C}, n \in \mathbb{N},\ \operatorname{Im} a > 0$
$\dfrac{1}{(t-a)^n}$	$-2\pi i H(f) \dfrac{(-2\pi i f)^{n-1}}{(n-1)!} e^{-2\pi i a f}$	$a \in \mathbb{C}, n \in \mathbb{N},\ \operatorname{Im} a < 0$
$\operatorname{rect}(t) = \chi_{(-1/2,1/2)}(t)$	$\operatorname{sinc}(f) = \dfrac{\sin(\pi f)}{\pi f}$	
$\operatorname{rect}(t/a) = \chi_{(-a/2,a/2)}(t)$	$a \operatorname{sinc}(af)$	$a > 0$
$\chi_{(a,b)}(t)$	$(b-a) e^{-\pi i (a+b) f} \operatorname{sinc}((b-a)f),$	
$\operatorname{sign}(t) \operatorname{rect}(t/a)$	$\dfrac{1 - \cos(\pi a f)}{\pi i f} = \dfrac{\sin^2(\frac{\pi}{2} a f)}{\frac{\pi}{2} i f}$	$a > 0$
$\triangle(t) = (1 - \|t\|)^+$	$\operatorname{sinc}^2(f) = 2 \dfrac{1 - \cos(2\pi f)}{(2\pi f)^2}$	$a > 0$
$\dfrac{1}{(a^2 + t^2)(b^2 + t^2)}$	$\pi \dfrac{a e^{-b\|2\pi f\|} - b e^{-a\|2\pi f\|}}{ab(a^2 - b^2)}$	$a, b > 0, \quad a \neq b$
$\dfrac{1}{(a^2 + t^2)^2}$	$\dfrac{\pi}{2a^3}(1 + a\|2\pi f\|) e^{-a\|2\pi f\|}$	$a > 0$
$\dfrac{1}{a^4 + t^4}$	$\dfrac{\pi}{a^3} e^{-\sqrt{2}\pi a\|f\|} \sin(\pi/4 + \sqrt{2}\pi a\|f\|)$	$a > 0$
$\chi_{(-1,1)}(t) \log \|t\|$	$-\dfrac{2}{2\pi f} \operatorname{Si}(2\pi f)$	