

Tabell over laplacetransformer

$$\mathcal{L}(f) = \int_0^{\infty} f(t)e^{-st} dt = F(s)$$

$f(t)$	$F(s)$
$\delta(t - a)$	e^{-as}
$u(t - a)$	$\frac{e^{-as}}{s}$
e^{at}	$\frac{1}{s-a}$
t^n	$\frac{n!}{s^{n+1}}$
$\cos at$	$\frac{s}{s^2+a^2}$
$\sin at$	$\frac{a}{s^2+a^2}$
$\cosh at$	$\frac{s}{s^2-a^2}$
$\sinh at$	$\frac{a}{s^2-a^2}$
$e^{at} \cos t$	$\frac{s-a}{(s-a)^2+1}$
$e^{at} \sin t$	$\frac{1}{(s-a)^2+1}$