

Tabela de correspondência - Transformada de Laplace

$f(t) = \mathcal{L}^{-1}(F(s))$	$F(s) = \mathcal{L}(f(t))$	$f(t) = \mathcal{L}^{-1}(F(s))$	$F(s) = \mathcal{L}(f(t))$
$t^n e^{at}, n \in \mathbb{N}^*$	$\frac{n!}{(s-a)^{n+1}}, s > a$	e^{at}	$\frac{1}{s-a}, s > a$
$t^n, n \in \mathbb{N}^*$	$\frac{n!}{s^{n+1}}, s > 0$	$t^p, p > -1$	$\frac{\Gamma(p+1)}{s^{p+1}}, s > 0$
$\text{sen}(at)$	$\frac{a}{s^2 + a^2}, s > 0$	$\cos(at)$	$\frac{s}{s^2 + a^2}, s > 0$
$\text{senh}(at)$	$\frac{a}{s^2 - a^2}, s > a $	$\cosh(at)$	$\frac{s}{s^2 - a^2}, s > a $
$e^{at} \text{sen}(bt)$	$\frac{b}{(s-a)^2 + b^2}, s > a$	$e^{at} \cos(bt)$	$\frac{s-a}{(s-a)^2 + b^2}, s > a$

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