Tabela de Transformadas de Laplace

$f(t)$	$F(s)$
1	$\dfrac{1}{s}$
e^{at}	$\dfrac{1}{s-a}$
t^n	$\dfrac{n!}{s^{n+1}}$
t^a	$\dfrac{\Gamma(a+1)}{s^{a+1}}$
$\operatorname{sen} at$	$\dfrac{a}{s^2+a^2}$
$\cos at$	$\dfrac{s}{s^2+a^2}$
$\operatorname{senh} at$	$\dfrac{a}{s^2-a^2}$
$\cosh at$	$\dfrac{s}{s^2-a^2}$
$e^{at}\operatorname{sen} bt$	$\dfrac{b}{(s-a)^2+b^2}$
$e^{at}\cos bt$	$\dfrac{(s-a)}{(s-a)^2+b^2}$
$t^n e^{at}$	$\dfrac{n!}{(s-a)^{n+1}}$

$f(t)$	$F(s)$
$u_c(t)=u(t-c)$	$\dfrac{e^{-cs}}{s}$
$u_c(t)f(t-c)$	$e^{-cs}F(s)$
$e^{ct}f(t)$	$F(s-c)$
$f(ct)$	$\dfrac{1}{c}F\left(\dfrac{s}{c}\right)$
$\displaystyle\int_0^t f(t-\tau)g(\tau)d\tau$	$F(s)G(s)$
$\delta_c(t)=\delta(t-c)$	e^{-cs}
$f^{(n)}(t)$	$s^n F(s)-s^{n-1}f(0)-\ldots-f^{(n-1)}(0)$
$\displaystyle\int_0^t f(\tau)d\tau$	$\dfrac{F(s)}{s}$
$\dfrac{f(t)}{t}$	$\displaystyle\int_s^\infty F(\sigma)d\sigma$
$(-t)^n f(t)$	$F^{(n)}(s)$
$f(t),\ \text{período } p$	$\dfrac{1}{1-e^{-ps}}\displaystyle\int_0^p e^{-st}f(t)dt$