

Tabla de transformadas de Laplace

1.	1	$1/s$.
2.	$\exp(at)$	$1/(s - a)$.
3.	t^n	$n!/(s^{n+1})$.
4.	$\text{sen}(at)$	$a/(s^2 + a^2)$.
5.	$\text{cos}(at)$	$s/(s^2 + a^2)$.
6.	$t \text{sen}(at)$	$(2as)/(s^2 + a^2)^2$.
7.	$t \text{cos}(at)$	$(s^2 - a^2)/(s^2 + a^2)^2$.
8.	$\text{senh}(at)$	$a/(s^2 - a^2)$.
9.	$\text{cosh}(at)$	$s/(s^2 - a^2)$.
10.	$\exp(at) \text{sen}(bt)$	$b/((s - a)^2 + b^2)$.
11.	$\exp(at) \text{cos}(bt)$	$(s - a)/((s - a)^2 + b^2)$.
12.	$\exp(at) \text{senh}(bt)$	$b/((s - a)^2 - b^2)$.
13.	$\exp(at) \text{cosh}(bt)$	$(s - a)/((s - a)^2 - b^2)$.
14.	$t^n \exp(at)$	$n!/((s - a)^{n+1})$.
15.	$u_c(t) = u(t - c)$ (Heaviside)	$\exp(-cs)/s$.
16.	$\delta(t - c)$ (delta de Dirac)	$\exp(-cs)$.
17.	$u_c(t)f(t - c)$	$\exp(-cs)F(s)$.
18.	$u_c(t)g(t)$	$\exp(-cs)\mathcal{L}\{g(t + c)\}$.
19.	$\text{sen}(at + b)$	$(s \text{sen}(b) + a \text{cos}(b))/(s^2 + a^2)$.
20.	$\text{cos}(at + b)$	$(s \text{cos}(b) - a \text{sen}(b))/(s^2 + a^2)$.
21.	$t^n f(t)$	$(-1)^n F^{(n)}(s)$.
22.	$y'(t)$	$sY(s) - y(0)$.
23.	$y''(t)$	$s^2Y(s) - sy(0) - y'(0)$.
24.	$y^{(n)}(t)$	$s^n Y(s) - s^{n-1}y(0) - \dots - s f^{(n-2)}(0) - f^{(n-1)}(0)$.