Função	Primitiva	Função Primitiva		Função	Primitiva
$u^r u'$ $(r \neq -1)$	$\frac{u^{r+1}}{r+1}$	$\frac{u'}{u}$	$\ln u $	$u'e^u$	e^u
$u'a^u$	$\frac{a^u}{\ln a}$	$u'\cos u$	$\operatorname{sen} u$	$u' \operatorname{sen} u$	$-\cos u$
$u'\sec^2 u$	$\operatorname{tg} u$	$u'\csc^2 u$	$-\cot g u$	$u' \sec u$	
$u' \operatorname{cosec} u$	$-\ln \csc u + \cot u $	$\frac{u'}{\sqrt{1-u^2}}$	$-\arccos u$ ou $\arcsin u$	$\frac{u'}{1+u^2}$	$\operatorname{arctg} u$ ou $-\operatorname{arccotg} u$
$u' \sec u \operatorname{tg} u$	$\sec u$	$u' \operatorname{cosec} u \operatorname{cotg} u$	$-\csc u$		

$$\sec x = \frac{1}{\cos x}$$

$$\cos(x \pm y) = \sin x \cos y \pm \cos x \sin y$$

$$\cos(x \pm y) = \cos x \cos y \mp \sin x \sin y$$

$$\cos(x \pm y) = \cos x \cos y \mp \sin x \sin y$$

$$\cos(x \pm y) = \cos x \cos x + \sin x \sin y$$

$$\cos(x \pm y) = \cos x \cos x + \cos x$$

Função	Transformada	Função	Transformada	Função	Transformada
	$\frac{n!}{s^{n+1}}$ $(s>0)$	e^{at} $(a \in \mathbb{R})$	$\frac{1}{s-a}$ $(s>a)$		$\frac{a}{s^2 + a^2}$ $(s > 0)$
$ \begin{array}{c} \cos(at) \\ (a \in \mathbb{R}) \end{array} $	$\frac{s}{s^2 + a^2}$ $(s > 0)$	$ senh(at) (a \in \mathbb{R}) $	$\frac{a}{s^2 - a^2}$ $(s > a)$	$ \begin{array}{c} \cosh(at) \\ (a \in \mathbb{R}) \end{array} $	$\frac{s}{s^2 - a^2}$ $s > a $

$F(s) = \mathcal{L}\{f(t)\}(s), \text{ com } s > s_f \quad \text{e} \quad G(s) = \mathcal{L}\{g(t)\}(s), \text{ com } s > s_g$ $\mathcal{L}\{f(t) + g(t)\}(s) = F(s) + G(s), s > \max\{s_f, s_g\} \qquad \mathcal{L}\{\alpha f(t)\}(s) = \alpha F(s), s > s_f \text{ e} \alpha \in \mathbb{R}$ $\mathcal{L}\{e^{\lambda t}f(t)\}(s) = F(s - \lambda), s > s_f + \lambda \text{ e} \lambda \in \mathbb{R} \qquad \mathcal{L}\{t^n f(t)\}(s) = (-1)^n F^{(n)}(s), s > s_f \text{ e} n \in \mathbb{N}$ $\mathcal{L}\{H_a(t) \cdot f(t - a)\}(s) = e^{-as}F(s), s > s_f \text{ e} a > 0 \qquad \mathcal{L}\{f(at)\}(s) = \frac{1}{a}F\left(\frac{s}{a}\right), s > as_f \text{ e} a > 0$ $\mathcal{L}\{f^{(n)}(t)\}(s) = s^n F(s) - s^{n-1}f(0) - s^{n-2}f'(0) - \dots - sf^{(n-2)}(0) - f^{(n-1)}(0)$

$$\mathcal{L}\{(f*g)(t)\}(s) = F(s) \cdot G(s), \quad \text{onde} \quad (f*g)(t) = \int_0^t f(\tau)g(t-\tau) d\tau, \ t \ge 0$$

com $s > \max\{s_f, s_{f'}, s_{f''}, \dots, s_{f^{(n-1)}}\}, n \in \mathbb{N}$