Laplace getransformeerde

	$f(t)$	$F(s) = \mathcal{L}[f(t)] = \int_0^\infty f(t)e^{-st}\,dt$
1.	1	$\frac{1}{s},\ s>0$
2.	t	$\frac{1}{s^2},\ s>0$
3.	$t^n\ \ (n=0,1,2,\ldots)$	$\frac{n!}{s^{n+1}}\ ,\ s>0$
4.	e^{at}	$\frac{1}{s-a}\ ,\ s>a$
5.	$\sin at$	$\frac{a}{s^2+a^2}\ ,\ s>0$
6.	$\cos at$	$\frac{s}{s^2+a^2}\ ,\ s>0$
7.	$e^{at}\sin bt$	$\frac{b}{(s-a)^2+b^2}\ ,\ s>a$
8.	$e^{at}\cos bt$	$\frac{s-a}{(s-a)^2+b^2}\ ,\ s>a$
9.	$t^n e^{at}$	$\frac{n!}{(s-a)^{n+1}}\ ,\ s>a$
10.	$f'(t)$	$sF(s)-f(0)$
11.	$f''(t)$	$s^2F(s)-s\,f(0)-f'(0)$
12.	$f(t-a)u_a(t)$	$e^{-as}\,F(s)$
13.	$e^{at}f(t)$	$F(s-a)$
14.	$\delta(t-a)$	e^{-as}
15.	$(-t)^n f(t)$	$F^{(n)}(s)$ (n-de afgeleide)
16.	$(f*g)(t)$	$F(s)G(s)$

Opm: $(f*g)(t) = \int_0^t f(u)g(t-u)\,du.$

Z.O.Z. voor integralen + gonioformules

Gonioformules

1. $\sin(\alpha+\beta) = \sin\alpha\cos\beta + \sin\beta\cos\alpha$
2. $\cos(\alpha+\beta) = \cos\alpha\cos\beta - \sin\alpha\sin\beta$
3. $\cos\alpha\cos\beta = \frac{1}{2}\big(\cos(\alpha+\beta) + \cos(\alpha-\beta)\big)$
4. $\sin\alpha\sin\beta = \frac{1}{2}\big(\cos(\alpha-\beta) - \cos(\alpha+\beta)\big)$
5. $\sin\alpha\cos\beta = \frac{1}{2}\big(\sin(\alpha+\beta) + \sin(\alpha-\beta)\big)$

Integraaltabelletje

1.	$\int t\sin(at)\,dt$	$\frac{1}{a^2}\sin(at) - \frac{t}{a}\cos(at), \quad (a \neq 0)$
2.	$\int t^2\sin(at)\,dt$	$\left(\frac{2}{a^3} - \frac{t^2}{a}\right)\cos(at) + \frac{2t}{a^2}\sin(at),$
3.	$\int t\cos(at)\,dt$	$\frac{1}{a^2}\cos(at) + \frac{t}{a}\sin(at),$
4.	$\int t^2\cos(at)\,dt$	$\left(\frac{-2}{a^3} + \frac{t^2}{a}\right)\sin(at) + \frac{2t}{a^2}\cos(at),$