Laplaceovo desatero	Fourierovo desatero
$\mathfrak{L}[f(ct)] = \frac{1}{c} F(\frac{p}{c})$	$\mathfrak{F}[f(c\vec{x})] = \frac{1}{\lvert c\rvert^r} F(\frac{\vec{\xi}}{c})$
$\mathfrak{L}[(-t)^n f(t)] = \frac{\mathrm{d}^n F}{\mathrm{d}p^n}$	$\mathfrak{F}[(\mathrm{i}\vec{x})^\alpha f(\vec{x})] = \mathcal{D}^\alpha \mathfrak{F}[f(\vec{x})]$
$\mathfrak{L}[\dot{f}(t)] = p\,\mathfrak{L}[f(t)] - f(0_+)$	$\mathfrak{F}[\mathcal{D}^\alpha\big(f(\vec{x})\big)] = (-\mathrm{i}\vec{\xi})^\alpha\, \mathfrak{F}[f(\vec{x})]$
$\mathfrak{L}[\Theta(t) \int_0^t f(\tau)\, \mathrm{d}\tau] = \frac{F(p)}{p}$	$\mathfrak{F}[1] = (2\pi)^r \delta(\vec{\xi})$
$\mathfrak{L}[\frac{f(t)}{t}] = \int_p^\infty F(q)\, \mathrm{d}q$	$\mathfrak{F}\mathfrak{F}[f(x)] = (2\pi)^r f(-x)$
$\mathrm{e}^{ap}\mathfrak{L}[f(t)] = \mathfrak{L}[f(t+a)]$	$\mathrm{e}^{\mathrm{i}\vec{\mu}\vec{\xi}}\, \mathfrak{F}[f(\vec{x})] = \mathfrak{F}[f(\vec{x}-\vec{\mu})]$
$\mathfrak{L}[\mathrm{e}^{at} f(t)] = F(p-a)$	$\mathfrak{F}[\mathrm{e}^{\mathrm{i}\vec{\mu}\vec{x}} f(\vec{x})] = F(\vec{\xi}+\vec{\mu})$
$\int_0^\infty f(\tau)\, \mathrm{d}\tau = \lim_{p\to 0_+} F(p)$	$\lim_{\lvert\xi\rvert\to\infty} F(\xi) = 0$
$\mathfrak{L}[f(t) \star g(t)] = F(p)\cdot G(p)$	$\mathfrak{F}[f(\vec{x}) \star g(\vec{x})] = \mathfrak{F}[f(\vec{x})]\cdot \mathfrak{F}[g(\vec{x})]$
$\int_0^\infty f(t)\, G(t)\, \mathrm{d}t = \int_0^\infty F(t)\, g(t)\, \mathrm{d}t$	$\int_{-\infty}^\infty f(x)\, G(x)\, \mathrm{d}x = \int_{-\infty}^\infty F(x)\, g(x)\, \mathrm{d}x$

Laplaceův vzor	Laplaceův obraz
$\delta(t-\tau)$	$\mathrm{e}^{-p\tau}$
$\Theta(t)$	$\frac{1}{p}$
$\Theta(t)\, t^n \quad (n \in \mathbf{N}_0)$	$\frac{n!}{p^{n+1}}$
$\Theta(t)\, t^\alpha \quad (\alpha > -1)$	$\frac{\Gamma(\alpha+1)}{p^{\alpha+1}}$
$\Theta(t)\, \mathrm{e}^{\mu t}$	$\frac{1}{p-\mu}$
$\Theta(t)\, \sin(\beta t)$	$\frac{\beta}{p^2+\beta^2}$
$\Theta(t)\, \cos(\beta t)$	$\frac{p}{p^2+\beta^2}$
$\Theta(t)\, (\sin(t) - t\cos(t))$	$\frac{2}{(1+p^2)^2}$
$\Theta(t)\, \mathrm{e}^{\mu t}\cos(\omega t)$	$\frac{p-\mu}{(p-\mu)^2+\omega^2}$
$\Theta(t)\, \mathrm{e}^{\mu t}\sin(\omega t)$	$\frac{\omega}{(p-\mu)^2+\omega^2}$
$\Theta(t)\, \sinh(\omega t)$	$\frac{\omega}{p^2-\omega^2}$
$\Theta(t)\, \cosh(\omega t)$	$\frac{p}{p^2-\omega^2}$

Fourieův vzor	Fourieův obraz	Obor
$\mathrm{e}^{-a\lVert x\rVert^2}$	$(\frac{\pi}{a})^{r/2}\mathrm{e}^{-\frac{\lVert\vec{\xi}\rVert^2}{4a}}$	$\mathbf{E}^r$
$\Theta(x)\, \mathrm{e}^{ax},\ \ (a \neq 0)$	$\frac{-1}{a+\mathrm{i}\xi}$	$\mathbf{R}$
$\delta(\vec{x}-\vec{\mu})$	$\mathrm{e}^{\mathrm{i}\vec{\xi}\vec{\mu}}$	$\mathbf{E}^r$
$\Theta(x)$	$\pi\delta(\xi)\ +\ \mathrm{i}\mathcal{P}\frac{1}{\xi}$	$\mathbf{R}$
$\Theta(-x)$	$\pi\delta(\xi)\ -\ \mathrm{i}\mathcal{P}\frac{1}{\xi}$	$\mathbf{R}$
$\mathrm{sgn}(x)$	$2\mathrm{i}\mathcal{P}\frac{1}{\xi}$	$\mathbf{R}$
1	$(2\pi)^r\, \delta(\vec{\xi})$	$\mathbf{E}^r$
$\mathcal{P}\frac{1}{x}$	$\mathrm{i}\pi\,\mathrm{sgn}(\xi)$	$\mathbf{R}$
$\mathcal{P}\frac{1}{x^2}$	$-\pi\, \lvert\xi\rvert$	$\mathbf{R}$
$\mathrm{e}^{\mathrm{i}x^2}$	$\sqrt{\pi}\, \mathrm{e}^{-\frac{\mathrm{i}}{4}(\xi^2-\pi)}$	$\mathbf{R}$
$\Theta(\mathrm{R} - \lvert x\rvert)$	$2\,\frac{\sin(\mathrm{R}\xi)}{\xi}$	$\mathbf{R}$
$\frac{\Theta(\mathrm{R}-\lVert\vec{x}\rVert)}{\sqrt{\mathrm{R}^2-\lVert\vec{x}\rVert^2}}$	$2\pi\,\frac{\sin(\mathrm{R}\lVert\vec{\xi}\rVert)}{\lVert\vec{\xi}\rVert}$	$\mathbf{E}^2$
$\delta_{S_\mathrm{R}}(\vec{x})$	$4\pi\mathrm{R}\,\frac{\sin(\mathrm{R}\lVert\vec{\xi}\rVert)}{\lVert\vec{\xi}\rVert}$	$\mathbf{E}^3$
$\vec{x}^\alpha$	$(\mathrm{i})^{\lvert\alpha\rvert}(2\pi)^r\delta^{(\alpha)}(\vec{\xi})$	$\mathbf{E}^r$
$\mathrm{e}^{\mathrm{i}cx}$	$2\pi\delta(\xi+c)$	$\mathbf{R}$
$\cos(cx)$	$\pi\big(\delta(\xi-c)+\delta(\xi+c)\big)$	$\mathbf{R}$
$\sin(cx)$	$\mathrm{i}\pi\big(\delta(\xi-c)-\delta(\xi+c)\big)$	$\mathbf{R}$