Tabica Laplasove transformacije, Z-transformacije i modifikovane Z-transformacije

$F(s)$	$f(t)$	$F(z)$	$F(z,m)$
e^{-kTs}	$\delta(t-kT)$	z^{-k}	z^{m-1-k}
1	$\delta(t)$	1	0
$\frac{1}{s}$	1	$\frac{z}{z-1}$	$\frac{1}{z-1}$
$\frac{1}{s^2}$	t	$\frac{Tz}{(z-1)^2}$	$\frac{mT}{z-1}+\frac{T}{(z-1)^2}$
$\frac{1}{s^{k+1}}$	$\frac{1}{k!}t^k$	$\lim\limits_{a\to 0}\frac{(-1)^k}{k!}\frac{\partial^k}{\partial a^k}(\frac{z}{z-e^{-aT}})$	$\lim\limits_{a\to 0}\frac{(-1)^k}{k!}\frac{\partial^k}{\partial a^k}(\frac{e^{-amT}}{z-e^{-aT}})$
$\frac{1}{s+a}$	e^{-at}	$\frac{z}{z-e^{-aT}}$	$\frac{e^{-amT}}{z-e^{-aT}}$
$\frac{\omega_0}{s^2+\omega_0^2}$	$\sin\omega_0 t$	$\frac{z\sin\omega_0 T}{z^2-2z\cos\omega_0 T+1}$	$\frac{z\sin m\omega_0 T+\sin(1-m)\omega_0 T}{z^2-2z\cos\omega_0 T+1}$
$\frac{s}{s^2+\omega_0^2}$	$\cos\omega_0 t$	$\frac{z(z-\cos\omega_0 T)}{z^2-2z\cos\omega_0 T+1}$	$\frac{z\cos m\omega_0 T-\cos(1-m)\omega_0 T}{z^2-2z\cos\omega_0 T+1}$
$\frac{\omega_0}{(s+a)^2+\omega_0^2}$	$e^{-at}\sin\omega_0 t$	$\frac{ze^{-aT}\sin\omega_0 T}{z^2-2ze^{-aT}\cos\omega_0 T+e^{-2aT}}$	$\frac{[z\sin\omega_0 mT+e^{-aT}\sin(1-m)\omega_0 T]}{z^2-2ze^{-aT}\cos\omega_0 T+e^{-2aT}}e^{-amT}$
$\frac{s+a}{(s+a)^2+\omega_0^2}$	$e^{-at}\cos\omega_0 t$	$\frac{z^2-ze^{-aT}\cos\omega_0 T}{z^2-2ze^{-aT}\cos\omega_0 T+e^{-2aT}}$	$\frac{[z\cos\omega_0 mT-e^{-aT}\cos(1-m)\omega_0 T]}{z^2-2ze^{-aT}\cos\omega_0 T+e^{-2aT}}e^{-amT}$

$f(k)$	$F(z)$	$f(k)$	$F(z)$
$\delta(k)$	1	$h(k)$	$\dfrac{z}{z-1}$
$a^k h(k)$	$\dfrac{z}{z-a}$	$ka^k h(k)$	$\dfrac{az}{(z-a)^2}$
$\sin\theta k$	$\frac{z\sin\theta}{z^2-2z\cos\theta+1}$	$\cos\theta k$	$\frac{z(z-\cos\theta)}{z^2-2z\cos\theta+1}$