

Appendix 5: A Very Short Table of Laplace Transforms

	$F(t)$	$f(s)$
1	1	$\frac{1}{s}$
2	e^{at}	$\frac{1}{s-a}$
3	$\sin kt$	$\frac{k}{s^2 + k^2}$
4	$\cos kt$	$\frac{s}{s^2 + k^2}$
5	$e^{-at} \sin kt$	$\frac{k}{(s+a)^2 + k^2}$
6	$e^{-at} \cos kt$	$\frac{(s+a)}{(s+a)^2 + k^2}$