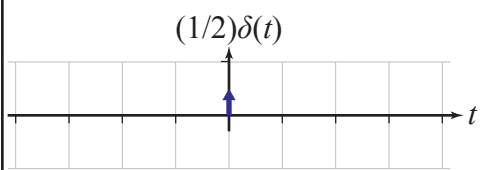
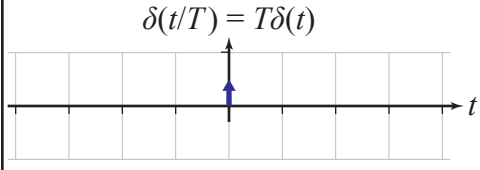
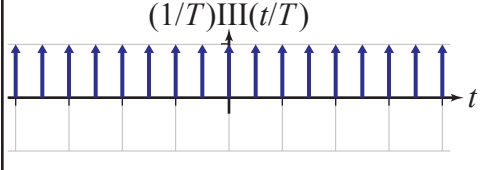
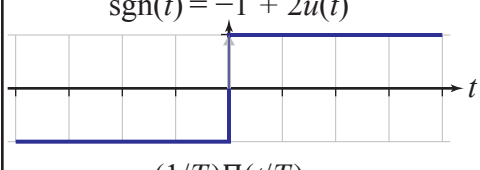
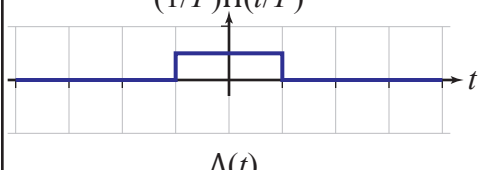
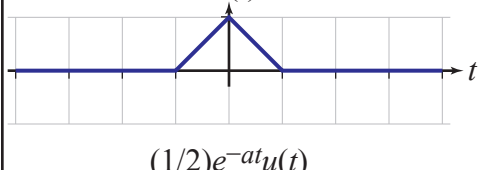
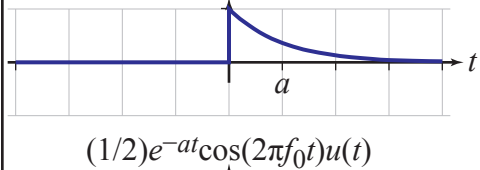
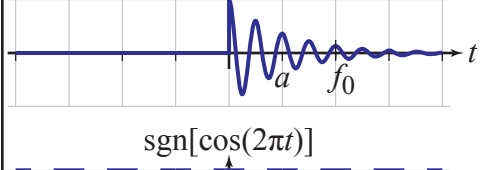
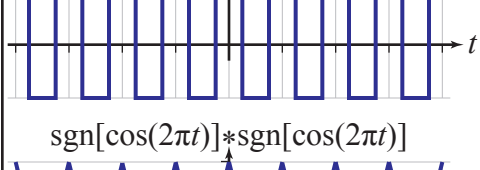
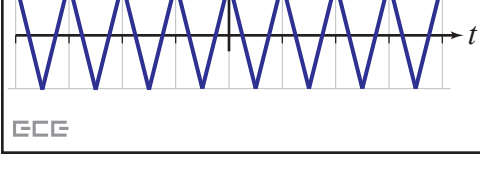


DSP ROSETTA STONE METHOD
FOURIER TRANSFORM PAIRS (CONT.)

t		f
	$\delta(t)/2$	$1/2$
	$\delta(t/T)$	T
	$\text{III}(t/T)/T$	$\text{III}(fT)$
	$\text{sgn}(t)$	$1/(j\pi f)$
	$\text{rect}(t/T)$	$\text{sinc}(fT)$
	$\text{tri}(t)$	$\text{sinc}^2(f)$
	$e^{(-at)u(t)}$	$1/(a+j2\pi f)$
	$(1/2)e^{(-at)} \cdot \cos(2\pi f_0 t)u(t)$	$(1/2)[1/(a+j2\pi(f+f_0)) + 1/(a+j2\pi(f-f_0))]$
	$\text{sgn}[\cos(2\pi t)]$	$\frac{2}{\pi} \sum_{n \text{ odd}} \frac{(-1)^{(n-1)/2}}{n} \delta(f-n)$
	$\text{sgn}[\cos(2\pi t)] * \text{sgn}[\cos(2\pi t)]$	$\frac{4}{\pi^2} \sum_{n \text{ odd}} \frac{1}{n^2} \delta(f-n)$