

Signals and Systems Tools

	Continuous Time (Analog)	Sampling (A/D) --> <-- Reconstruction (D/A)	Discrete Time (Digital)	
Periodic (in time)	Fourier Series		Discrete Fourier Transform Fast Fourier Transform	Discrete and Periodic in Frequency
Aperiodic (in time)	Fourier Transform			
	Laplace Transform		Z-Transform	Periodic in Frequency
Microscopic View	Differential Equations		Difference Equations	Microscopic View
Macroscopic View	Convolution Integral		Convolutional Sum	Macroscopic View