**# Discrete**

**## Sine**

***//SINE SIGNAL***

**N = 100**

**t2=0:0.1:10;**

**x2=sin (t2);**

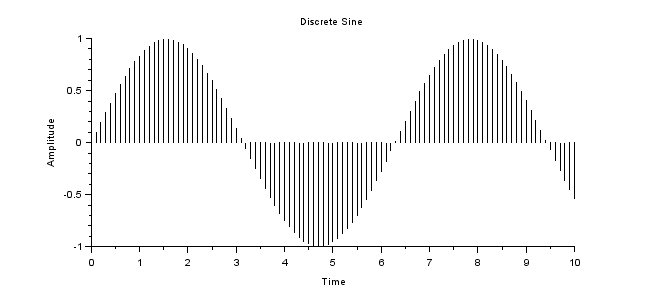
**subplot (2, 2, 1)**

**plot2d3 (t2,x2);**

**xlabel('Time');**

**ylabel('Amplitude');**

**title('Discrete Sine');**

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**## Rectangular**

***//RECT SIGNAL***

**N = 100**

**t2=-10:0.1:10;**

**x2=[zeros(1,(N/2)), ones(1,N+1), zeros(1,(N/2))];**

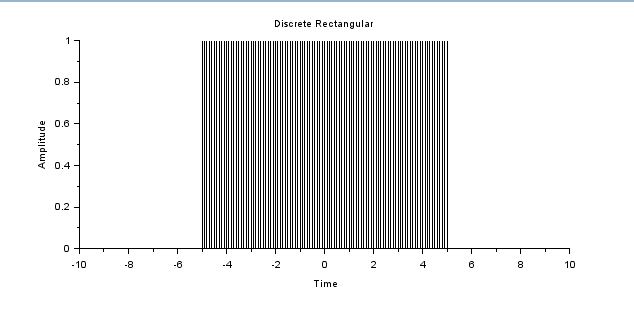
**subplot (2, 2, 2)**

**plot2d3 (t2,x2);**

**xlabel('Time');**

**ylabel('Amplitude');**

**title('Discrete Rectangular');**

****

**## Ramp**

**N = 100**

**t2=0:0.1:10;**

**x2=t2;**

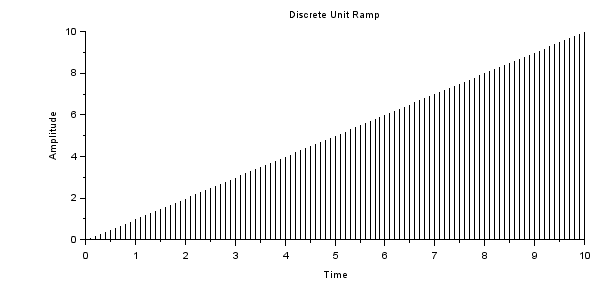
**subplot (2, 2, 1)**

**plot2d3 (t2,x2);**

**xlabel('Time');**

**ylabel('Amplitude');**

**title('Discrete Unit Ramp');**

****

**## Exponential**

**N = 100**

**t2=-10:0.1:10;**

**x2=exp(-t2);**

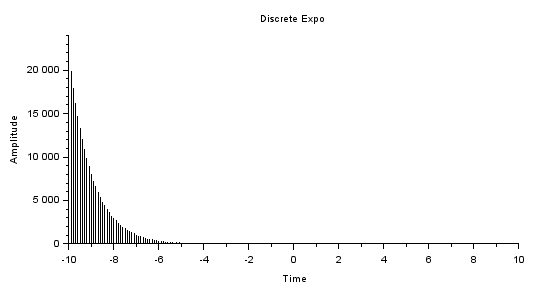
**subplot (2, 2, 2)**

**plot2d3 (t2,x2);**

**xlabel('Time');**

**ylabel('Amplitude');**

**title('Discrete Expo');**

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**## Step**

**N = 100**

**t2=-10:0.1:10;**

**x2=[zeros(1,N), ones(1,N+1)];**

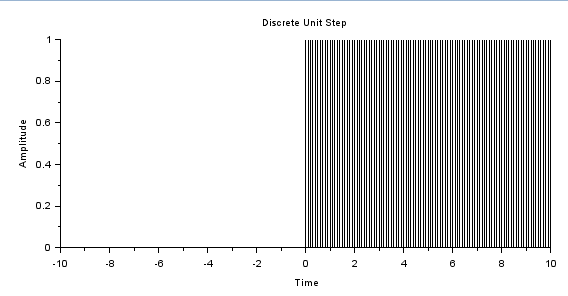
**subplot (2, 2, 1)**

**plot2d3 (t2,x2);**

**xlabel('Time');**

**ylabel('Amplitude');**

**title('Discrete Unit Step');**

****

**## Impulse**

**N = 100**

**t2=-10:0.1:10;**

**x2=[zeros(1,N), 1, zeros(1,N)];**

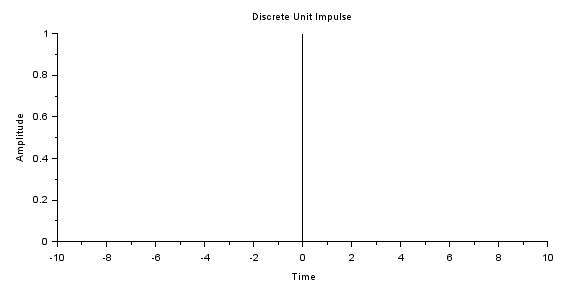
**subplot (2, 2, 2)**

**plot2d3 (t2,x2);**

**xlabel('Time');**

**ylabel('Amplitude');**

**title('Discrete Unit Impulse');**

****

**# Random**

**N = 100**

**t2=-10:0.1:10**

**x2=rand(1,201)**

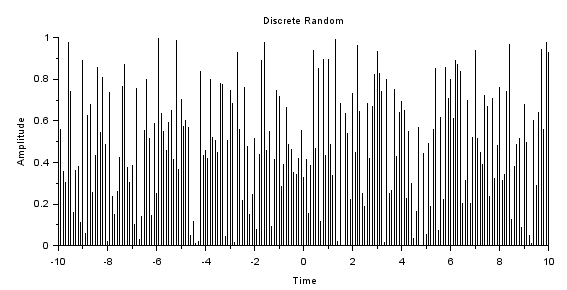
**subplot (2, 2, 1)**

**plot2d3 (t2,x2);**

**xlabel('Time');**

**ylabel('Amplitude');**

**title('Discrete Random');**

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