## 基本数学知识

- · Sinusoidal functions
- · Complex numbers
- · Euler's formula
- · Complex Sinusoids
- · Scalar product of sequences
- · Even and odd functions
- · Convolution

-. Sinuspidal functions - 正弦函数.

X[n] = Acos(wnT+4) = Acos(2xfnT+4)

A: amplitude 提幅

w: angular frequency in radians/seconds.

南频率,城度制,单位为 raidians/seconds.

f=W/2元: frequency in Hertz (cycles/seconds) 频年, 草应为Hz. 表示 cycles/seconds.

(): initral phase in radians 初始相位、到底的

n. time index 采转次数

T=1/fs: Sampling period in Seconds (t=nT=nlfs) 采样周期、多绿棉-次