More signals

- Note: in your function, A should be replaced by SNR (see crcbgenqcsig.m)
- Sinusoidal signal

 - ▶ Parameters: A, f_0, ϕ_0
- ► Linear chirp signal
 - $> s(t) = A \sin(2\pi (f_0 t + f_1 t^2) + \phi_0)$
 - ▶ Parameters: A, f_0, f_1, ϕ_0
- Sine-Gaussian signal
 - $> s(t) = A \exp\left(-\frac{(t-t_0)^2}{2\sigma^2}\right) \sin(2\pi f_0 t + \phi_0)$
 - ▶ Parameters: $A, t_0, \sigma, f_0, \phi_0$

More signals

- ► Frequency modulated (FM) sinusoid
 - $> s(t) = A\sin(2\pi f_0 t + b\cos(2\pi f_1 t))$
 - ▶ Parameters: $A, b, f_0 \gg f_1, f_1$
- ► Amplitude modulated (AM) sinusoid

 - ▶ Parameters: $A, f_0 \gg f_1, f_1, \phi_0$
- AM-FM sinusoid
 - $> s(t) = A\cos(2\pi f_2 t) \times \sin(2\pi f_0 t + b\cos(2\pi f_1 t))$
 - ▶ Parameters: $A, b, f_0 \gg f_1, f_2, f_1 > f_2$

More signals

Linear transient chirp

- ▶ Parameters: A, t_a , f_0 , f_1 , ϕ_0 , L
- Exponentially damped sinusoid

- ▶ Parameters: $A, t_a, f_0, \tau, \phi_0, L$
- Step FM

▶ Parameters: A, t_a , f_0 , f_1