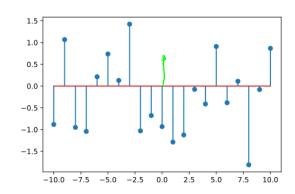
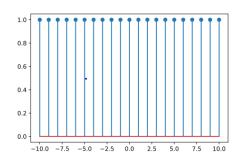
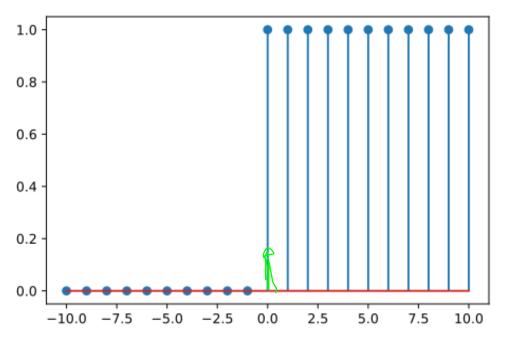
Proprie Lales:

 $\chi[k] S[k] = \chi[0] S[k]$ $\chi[k] S[k-n] = \chi[n] S[k-n]$ $\chi[n] S[k-m] = \chi[k]$ $\chi(4) * S(4) = \chi(4)$





$$W[k] = \begin{cases} 0 & k \ge 0 \\ 0 & k < 0 \end{cases}$$



Lembre-se

$$\frac{du(t)}{dt} = \delta(t) = 0$$

$$\frac{du(t)}{dt} = \int S(t) dt$$

$$M(t) = \int S(t) dt$$

$$M(t) = \int S(t) dt$$

$$M[0] = \sum_{N=-\infty}^{0} S[N] = ... O + 0 + 0 + 1 = 1$$

$$M[J] = \sum_{N=-\infty}^{\infty} S[N] = ... + 0 + 0 + 0 + 1 + 1 + 1 + ...$$

$$M[T] = \sum_{N=-\infty}^{\infty} M[N] = 1 + 0 + 0 + 1 + 1 + 1 + ...$$

$$M = -\infty \qquad + 1 = 5$$

$$I[k] = I[k-1] + novo[k]$$

$$I[k] = \sum_{n=-\infty}^{\infty} novo[n]$$

$$Novo = \begin{bmatrix} a & 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}$$

Rampe $Cont: \Lambda(t) = t u(t) = \begin{cases} t & t \geq 0 \\ 0 & t \leq 0 \end{cases}$ $Discute: \Lambda(t) = t u(t) = \begin{cases} k & k \geq 0 \\ 0 & k \leq 0 \end{cases}$

Exponencial

ak u[k] a E R

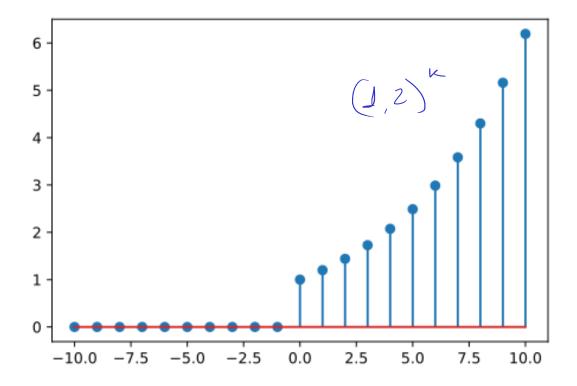
Obs: não usemos mais

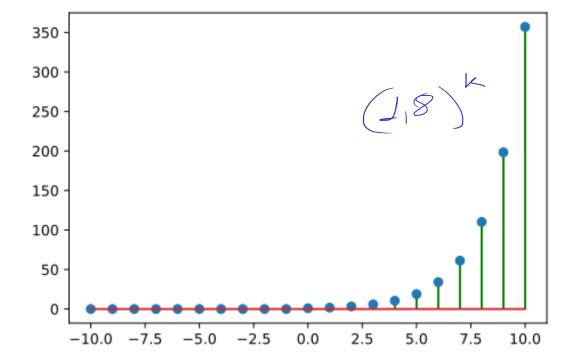
-ak = (e^a)k

1: 0(a < 1

1.0 0.8 0.6 0.4 0.2 1.0 0.8 0.6 0.4 0.2 0.0 7.5 -10.0 -7.5 -5.0 -2.5 0.0 2.5 5.0 10.0





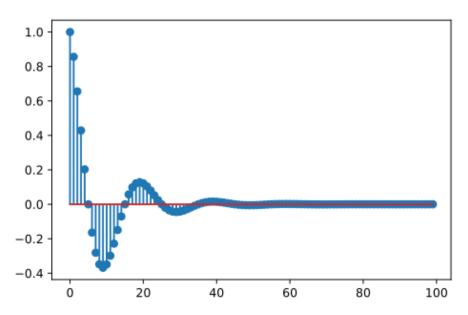


a complex (E L) a E I | a | = 1 | a = (a) ev La X(R)=Re / ejwk(z Coswk 0<10<24 $\omega > 2\pi \Rightarrow \omega = 2\pi + \Delta 2$ UKE 2TK + DK 1.00 -0.75 0.50 0.25 0.00 -0.25-0.50-0.75 · -1.00 -20 0 40 60 80 100 211.0,5 = 7 ->

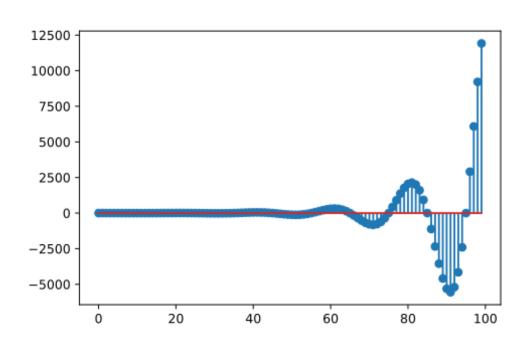
C E COS R FM

|a| < |



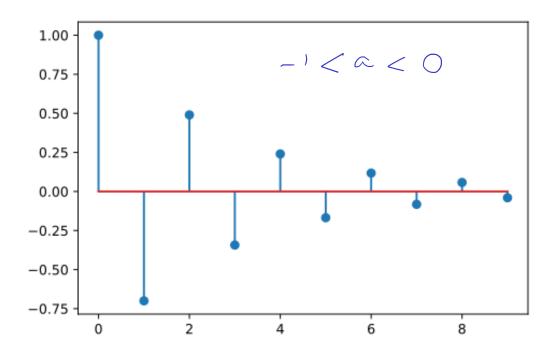


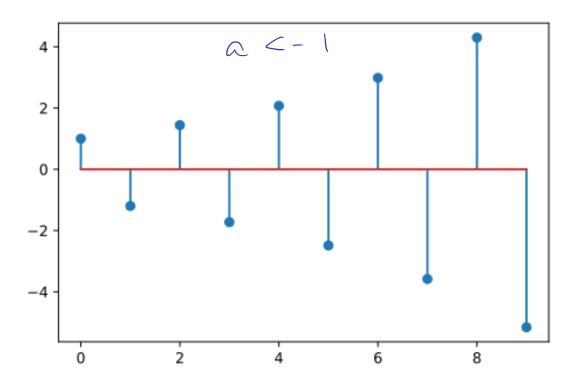
|a|>1

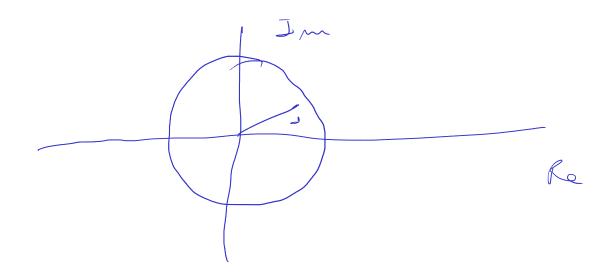




(-7,9)+







Aspectos préticos de seguiencias.

Vetores

Recursoo