L, condicos iniciais nulas

$$\begin{cases} E_{i(S)} = \left[R + LS + \frac{1}{5C}\right] I_{(S)} \\ E_{o(S)} = \frac{1}{5C} I_{(S)} \end{cases} \implies I_{(S)} = E_{o(S)} . SC$$

$$\frac{E_{o}(s)}{E_{c}(s)} = \frac{1}{SCER+LS+SCI} = \frac{1}{RCS+LCS+1}$$

$$=\frac{1}{LCS^2+RCS+1}$$

$$\begin{array}{c|c}
\hline
I(S) & E(S) & \times SC \\
\hline
R + LS + \frac{1}{5}c & \times SC \\
\hline
Z & E(S) \times SC \\
\hline
S^2 LC + SRC + 1
\end{array}$$

$$E = L . I(S)$$

$$E_{i} \rightarrow \frac{sc}{s^{2}Lc+sRc+1} \rightarrow E_{0}$$

$$E_{i} \rightarrow \frac{sc}{s^{2}Lc+sRc+1} \rightarrow E_{0}$$

$$E_{i} \rightarrow E_{0}$$

Modeliceros de sistemas

frequêncicas

conjugação

$$\frac{V_{O(S)}}{V_{16}} = \frac{1}{S^{2}LC + RCS + 1} \frac{1}{(s(R + 18 + 5C) = 16)}$$

$$= 6. \frac{11c}{S^{2} + (RS + 1)} \frac{1}{(s(5c) + 5c)} = \frac{1}{(s(5c) + 5c)}$$

$$= \frac{1}{S^{2}LC + RCS + 1} \frac{1}{(s(5c) + 5c)} = \frac{1}{(s(5c) + 5c)}$$

$$= \frac{1}{S^{2}LC + RCS + 1} \frac{1}{(s(5c) + 5c)} = \frac{1}{(s(5c) + 5c)$$

$$\frac{1}{8}$$

$$\frac{1}$$

$$\begin{cases} E_{1G1} = [R + LS + \frac{1}{5C}] I_{G1} \\ E_{0G1} = \frac{1}{5C} I_{G1} \end{cases}$$

$$\begin{pmatrix}
E_{1(S)} \\
E_{0(S)}
\end{pmatrix} = \begin{bmatrix}
R + LS + \frac{1}{SC} \\
\frac{1}{SC}
\end{bmatrix} = \frac{1}{R + LS + \frac{1}{SC}}$$

$$R + LS + \frac{1}{SC}$$

-11-

+ 1, 1