

Problems 02-1

# **TRANSFER FUNCTION AND TWO-PORT NETWORK PARAMETERS**

# Problems

1. Find the two-port network parameters of the F matrix.
2. Express the frequency transfer function  $H(j\omega) = v_2(j\omega)/v_1(j\omega)$  by using the F parameters and the load  $R_L$ .
3. Express the frequency transfer function by using  $R_1$ ,  $R_L$  and  $C_1$ .
4. Plot the Bode diagram of the frequency transfer function.

