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10.14 INVALID-ORDER-14 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \infty, \infty, \infty, R_L + \frac{1}{C_L s} \right)$

[illegible]

10.15 INVALID-ORDER-15 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \infty, \infty, \infty, L_L s + \frac{1}{C_L s} \right)$

[illegible]

10.16 INVALID-ORDER-16 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1}\right)$

[illegible]

10.17 INVALID-ORDER-17 $Z(s) = \left(R_1, \frac{1}{C_{2s}}, \infty, \infty, \infty, L_L s + R_L + \frac{1}{C_{Ls}} \right)$

[illegible]

10.18 INVALID-ORDER-18 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}} \right)$

[illegible]

10.19 INVALID-ORDER-19 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} + R_L \right)$

$$H(s) = -C_2 C_L C_G^2 L_L R_1 R_1 R_{1r} r_o s^5 - C_2 C_L C_G C_G s L_L R_1 R_1 R_{1r} r_o s^4 + C_2 C_L C_G s L_L R_1 R_1 R_{1g} r_o r_o s^4 + C_2 C_L C_G s L_L R_1 R_{1r} r_o s^4 + C_2 C_L C_G s L_L R_1 R_{1g} r_o r_o s^4 - C_2 C_L C_G L_L R_1 R_{1r} r_o s^4 - C_2 C_G^2 R_1 R_1 R_{1r} r_o s^4 - C_2 C_G C_G s L_L R_1 R_{1r} s^4 - C_2 C_G C_G s R_1 R_1 R_{1r} r_o s^4 + C_2 C_G s L_L R_1 R_{1g} r_o r_o s^3 + C_2 C_G C_G L_L R_1 R_{1r} r_o s^3 + C_2 C_G C_G R_1 R_1 R_{1g} r_o r_o s^3 + C_2 C_G C_G R_1 R_{1r} r_o s^3 + C_2 C_G s L_L R_1 R_{1g} r_o r_o s^3 + C_2 C_G s R_1 R_1 R_{1g} r_o r_o s^3 - C_2 L_L R_{1g} r_o r_o s^3 - C_2 R_1 R_{1g} r_o r_o s^3 - C_2 R_1 R_{1g} r_o r_o s^3 + C_1 C_L C_G^2 C_G s L_L R_1 R_{1r} r_o^2 s^4 + C_1 C_L C_G^2 L_L R_1 R_1 R_{1g} r_o r_o^2 s^4 + C_1 C_G^2 L_L L_L$$

10.20 INVALID-ORDER-20 $Z(s) = \left(R_1, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{R_L \left(L_L s + \frac{1}{C_L s} \right)}{L_L s + R_L + \frac{1}{C_L s}} \right)$

[illegible]

10.21 INVALID-ORDER-21 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \infty, R_L \right)$

[illegible]

10.22 INVALID-ORDER-22 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \infty, \frac{1}{C_L s} \right)$

[illegible]

10.23 INVALID-ORDER-23 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \infty, \frac{R_L}{C_L R_L s + 1} \right)$

[illegible]

10.24 INVALID-ORDER-24 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \infty, R_L + \frac{1}{C_L s} \right)$

[illegible]

10.25 INVALID-ORDER-25 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \infty, L_L s + \frac{1}{C_L s} \right)$

[illegible]

10.26 INVALID-ORDER-26 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} \right)$

[illegible]

10.27 INVALID-ORDER-27 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \infty, L_L s + R_L + \frac{1}{C_L s} \right)$

[illegible]

10.28 INVALID-ORDER-28 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \infty, \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}} \right)$

[illegible]

10.29 **INVALID-ORDER-29** $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} + R_L \right)$

[illegible]

10.30 INVALID-ORDER-30 $Z(s) = \left(R_1, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \infty, \frac{R_L (L_L s + \frac{1}{C_L s})}{L_L s + R_L + \frac{1}{C_L s}} \right)$

[illegible]

10.31 INVALID-ORDER-31 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, R_L \right)$

[illegible]

10.32 INVALID-ORDER-32 $Z(s) = \left(R_1, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s} \right)$

[illegible]

10.164 INVALID-ORDER-164 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \infty, \infty, \infty, R_L + \frac{1}{C_L s} \right)$

[illegible]

10.165 INVALID-ORDER-165 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \infty, \infty, \infty, L_L s + \frac{1}{C_L s} \right)$

$$H(s) = \frac{(C_{gd}s - g_m)(C_L L_L s^2 + 1)(R_2 g_m r_o + R_2 + r_o)}{s(C_1 C_L C_{g_d}^2 L_L R_2 r_o s^4 - C_1 C_L C_{g_d} L_L R_2 g_m r_o s^3 + C_1 C_L C_{g_d} L_L R_2 s^3 + C_1 C_L C_{g_d} L_L r_o s^3 + C_1 C_L C_{g_d} R_2 r_o s^2 - C_1 C_L L_L R_2 g_m s^2 - C_1 C_L L_L g_m r_o s^2 - C_1 C_L R_2 g_m r_o s + C_1 C_{g_d}^2 R_2 r_o s^2 - C_1 C_{g_d} R_2 s + C_1 C_{g_d} r_o s - C_1 R_2 g_m - C_1 g_m r_o + C_L C_{g_d}^2 C_{g_s} L_L R_2 r_o s^4 + C_L C_{g_d}^2 L_L R_2 g_m r_o s^3 + C_L C_{g_d}^2 L_L R_2 r_o s^3 - C_L C_{g_d} C_{g_s} L_L R_2 r_o s^3 - C_L C_{g_d} C_{g_s} L_L R_2 s^3 - C_L C_{g_d} C_{g_s} L_L r_o s^3 - C_L C_{g_d} C_{g_s} L_L g_m r_o s^2 + C_L C_{g_d} C_{g_s} L_L R_2 r_o s^3 - C_L C_{g_d} C_{g_s} L_L R_2 s^3 - C_L C_{g_d} C_{g_s} L_L r_o s^3 + C_L C_{g_d} C_{g_s} R_2 r_o s^2 - C_L C_{g_d} L_L R_2 g_m r_o s^2 - C_L C_{g_d} L_L R_2 g_m r_o s^2 + C_L C_{g_d} L_L g_m r_o s^2 + C_L C_{g_d} R_2 g_m r_o s^2 + 2 C_L C_{g_d} R_2 g_m r_o s + C_L C_{g_d} R_2 s + C_L C_{g_d} r_o s}$$

10.166 INVALID-ORDER-166 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} \right)$

$$H(s) = \frac{L_1 s (C_{gd} s - g_m) (R_{2g} m_{r_o} + R_2 + r_o)}{C_1 C_L C_{gd} L_1 R_2 r_o s^4 - C_1 C_L L_1 R_2 g_m r_o s^3 + C_1 C_{gd}^2 L_1 R_2 r_o s^4 - C_1 C_{gd} L_1 R_2 g_m r_o s^3 + C_1 C_{gd} L_1 R_2 s^3 + C_1 C_{gd} L_1 r_o s^3 + C_1 C_{gd} R_2 r_o s^2 - C_1 L_1 R_2 g_m s^2 - C_1 L_1 g_m r_o s^2 - C_1 R_2 g_m r_o s + C_1 C_{gd} C_{gs} L_1 R_2 r_o s^4 + C_1 C_{gd} L_1 R_2 g_m r_o s^3 + 2 C_1 C_{gd} L_1 R_2 g_m r_o s^3 + C_1 C_{gd} L_1 R_2 r_o s^3 + 2 C_1 C_{gd} L_1 R_2 s^3 + C_1 C_{gd} L_1 r_o s^3 + C_1 C_{gs} L_1 R_2 g_m r_o s^3 + C_1 C_{gs} L_1 R_2 r_o s^3 + C_1 C_{gs} L_1 R_2 s^3 - C_1 L_1 R_2 g_m^2 s^3 - C_1 L_1 R_2 g_m s^3 - C_1 L_1 g_m r_o s^3 + C_{gd}^2 C_{gs} L_1 R_2 r_o s^4 + C_{gd}^2 L_1 R_2 g_m r_o s^3 + C_{gd}^2 L_1 R_2 s^3 - C_{gd}^2 L_1 r_o s^3 - C_{gd} C_{gs} L_1 R_2 g_m r_o s^3 + C_{gd} C_{gs} L_1 R_2 r_o s^3 + C_{gd} C_{gs} L_1 R_2 s^3}$$

10.167 INVALID-ORDER-167 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \infty, \infty, \infty, L_L s + R_L + \frac{1}{C_L s} \right)$

$$H(s) = \frac{1}{s} \left(C_1 C_L C_{g_d}^2 L_L R_2 r_o s^4 + C_1 C_L C_{g_d}^2 R_2 R_L r_o s^3 - C_1 C_L C_{g_d} L_L R_2 g_m r_o s^3 + C_1 C_L C_{g_d} L_L R_2 g_m r_o s^2 + C_1 C_L C_{g_d} L_L R_2 s^3 + C_1 C_L C_{g_d} L_L r_o s^3 - C_1 C_L C_{g_d} R_2 R_L g_m r_o s^2 + C_1 C_L C_{g_d} R_2 R_L s^2 + C_1 C_L C_{g_d} R_2 r_o s^2 + C_1 C_L C_{g_d} R_L r_o s^2 - C_1 C_L L_L R_2 g_m s^2 - C_1 C_L R_2 R_L g_m s - C_1 C_L R_2 g_m r_o s + C_1 C_{g_d}^2 R_2 r_o s^2 - C_1 C_{g_d} R_2 g_m r_o s + C_1 C_{g_d} R_2 s + C_1 C_{g_d} r_o s - C_1 R_2 g_m - C_1 g_m r_o + C_L C_{g_d}^2 C_{g_s} L_L R_2 r_o^2 s^4 + C_L C_{g_d}^2 C_{g_s} R_2 R_L r_o^2 s^3 + C_L C_{g_d}^2 L_L R_2 g_m r_o^2 s^3 + C_L C_{g_d}^2 L_L R_2 r_o s^3 - C_L C_{g_d}^2 L_L r_o s^3 + C_L C_{g_d}^2 R_2 R_L g_m r_o^2 s^2 + C_L C_{g_d}^2 R_2 R_L r_o s^2 - C_L C_{g_d}^2 R_L r_o s^2 \right)$$

10.168 INVALID-ORDER-168 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \infty, \infty, \infty, \frac{1}{C_L s + \frac{1}{R_L + L_L s}} \right)$

$$H(s) = \bar{C}_1 C_L C_{gd} L_L R_2 R_L r_o s^4 - C_1 C_L L_L R_2 R_L g_m r_o s^3 + C_1^2 C_{gd}^2 L_L R_2 R_L r_o s^4 - C_1 C_{gd} L_L R_2 R_L g_m r_o s^3 + C_1 C_{gd} L_L R_2 R_L s^3 + C_1 C_{gd} L_L R_2 R_L r_o s^3 + C_1 C_{gd} R_2 R_L r_o s^2 - C_1 L_L R_2 R_L g_m s^2 - C_1 L_L R_2 g_m r_o s^2 - C_1 R_2 R_L g_m r_o s + C_L C_{gd} C_{gs} L_L R_2 R_L r_o s^3 + C_L C_{gd} L_L R_2 R_L g_m^2 s^3 + 2 C_L C_{gd} L_L R_2 R_L g_m r_o s^3 + C_L C_{gd} L_L R_2 R_L r_o s^3 + 2 C_L C_{gd} L_L R_2 R_L s^3 + C_L C_{gd} L_L R_1 r_o s^3 + C_L C_{gs} L_L R_2 R_L g_m r_o s^3 + C_L C_{gs} L_L R_2 R_L r_o s^3 + C_L C_{gs} L_L R_2 R_L s^3 - C_L L_L R_2 R_L g_m^2 r_o s^2 - C_L L_L R_2 R_L g_m s^2 - C_L L_L R_L g_m r_o s^2 + C_{gd}^2 C_{gs}^2 L_L R_2 R_L R_L r_o s^4$$

10.169 INVALID-ORDER-169 $Z(s) = \left(\frac{1}{C_1 s}, R_2, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} + R_L \right)$

[illegible]

$$10.170 \quad \text{INVALID-ORDER-170} \quad Z(s) = \left(\frac{1}{C_1 s}, R_2, \infty, \infty, \infty, \frac{R_L \left(L_L s + \frac{1}{C_L s} \right)}{L_L s + R_L + \frac{1}{C_L s}} \right)$$

$$H(s) = \frac{C_1 C_L C_{gd}^2 L_L R_2 R_L r_o s^5 - C_1 C_L C_{gd} L_L R_2 R_L g_m r_o s^4 + C_1 C_L C_{gd} L_L R_2 R_L s^4 + C_1 C_L C_{gd} L_L R_2 r_o s^4 + C_1 C_L C_{gd} L_L R_2 r_o s^4 + C_1 C_L C_{gd} L_L R_2 g_m r_o s^3 - C_1 C_L L_L R_2 R_L g_m s^3 - C_1 C_L L_L R_2 g_m r_o s^3 - C_1 C_L R_2 R_L g_m r_o s^2 + C_1 C_{gd}^2 C_g L_L R_2 R_L r_o s^4 - C_1 C_{gd} R_2 R_L g_m r_o s^2 + C_1 C_{gd} R_2 R_L s^2 + C_1 C_{gd} R_2 r_o s^2 + C_1 C_{gd} R_L r_o s^2 - C_1 R_2 R_L g_m s - C_1 R_2 g_m r_o s - C_1 R_L g_m r_o s - C_1 C_{gd}^2 C_g L_L R_2 R_L r_o s^4 + C_L C_{gd}^2 L_L R_2 R_L g_m r_o s^4 + C_L C_{gd}^2 L_L R_2 R_L r_o s^4 - C_L C_{gd}^2 L_L R_2 R_L s^4 - C_L C_{gd} C_g L_L R_2 R_L g_m r_o s^4 + C_L C_{gd} C_g L_L R_2 R_L r_o s^4 + C_L C_{gd} C_g L_L R_2 R_L s^4}{\dots}$$

10.171 INVALID-ORDER-171 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, \infty, R_L \right)$

$$H(s) = \frac{R_L(C_{gd}s - g_m)(C_2r_o s + g_m r_o + 1)}{C_1 C_2 C_{gd} R_L r_o s^3 - C_1 C_2 R_L g_m r_o s^2 + C_1 C_{gd}^2 R_L r_o s^3 - C_1 C_{gd} R_L g_m r_o s^2 + C_1 C_{gd} R_L s^2 + C_1 C_{gd} r_o s^2 - C_1 R_L g_m s - C_1 g_m r_o s - C_2 C_{gd}^2 R_L r_o s^3 - C_2 C_{gd} C_{gs} R_L r_o s^3 + C_2 C_{gd} R_L g_m r_o s^2 + C_2 C_{gd} r_o s^2 + C_2 C_{gs} R_L g_m r_o s^2 - C_2 g_m r_o s + C_{gd}^2 C_{gs} R_L r_o s^3 + C_{gd} R_L g_m r_o s^2 + C_{gd}^2 R_L r_o s^2 - C_{gd} C_{gs} R_L g_m r_o s^2 + C_{gd} C_{gs} R_L r_o s^2 + C_{gd} C_{gs} r_o s^2 + C_{gd} C_{gs} r_o s^2 - C_{gd} R_L g_m^2 r_o s^2 - C_{gd} R_L g_m r_o s + C_{gd} g_m r_o s^2 + 2C_{gd} g_m r_o s + C_{gd} r_o s + 2C_{gd} s - C_{gs} R_L g_m r_o s + C_{gs} g_m r_o s + C_{gs} r_o s + C_{gs} s - g_m^2 r_o - g_m}$$

10.172 INVALID-ORDER-172 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s} \right)$

[illegible]

10.173 INVALID-ORDER-173 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, \infty, \infty, \infty, \frac{R_L}{C_L R_L s + 1} \right)$

$$H(s) = \frac{R_L(C_{gd}s - g_m)(C_2r_o s^2 + g_mr_o + 1)}{C_1 C_2 C_{gd} R_L r_o s^3 - C_1 C_2 R_L g_m r_o s^2 + C_1 C_1 C_{gd} R_L r_o s^3 - C_1 C_1 R_L g_m r_o s^2 + C_1 C_{gd}^2 R_L r_o s^3 - C_1 C_{gd} R_L g_m r_o s^2 + C_1 C_{gd} R_L s^2 + C_1 C_{gd} r_o s^2 - C_1 R_L g_m s - C_1 g_m r_o s + C_2 C_L C_{gd} R_L r_o s^3 - C_2 C_L R_L g_m r_o s^2 - C_2 C_{gd}^2 R_L r_o s^3 - C_2 C_{gd} C_g R_L r_o s^3 + C_2 C_{gd} R_L g_m r_o s^2 + C_2 C_{gd} r_o s^2 + C_2 C_g R_L g_m r_o s^2 - C_2 g_m r_o s + C_1 C_{gd} C_g R_L r_o s^3 + C_1 C_{gd} R_L g_m r_o s^2 + 2C_1 C_{gd} R_L g_m r_o s^2 + C_1 C_{gd} R_L r_o s^2 + C_1 C_g R_L g_m r_o s^2 + C_1 C_g R_L r_o s^2 + C_1 C_g R_L s^2 - C_1 R_L g_m^2 r_o s - C_1 R_L g_m s + C_{gd}^2 C_g R_L r_o s^3 + C_{gd}^2 R_L g_m r_o s^2 + C_{gd}^2 R_L r_o s^2 - C_{gd} C_g R_L r_o s^2}$$

10.174 INVALID-ORDER-174 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, \infty, R_L + \frac{1}{C_L s} \right)$

$$H(s) = \frac{(C_{gd}s - g_m)(C_L R_L s + 1)(C_2 r_o s + g_m r_o + 1)}{s \left(C_1 C_2 C_L C_{gd} R_L r_o s^3 - C_1 C_2 C_L R_L g_m r_o s^3 + C_1 C_2 C_{gd} r_o s^3 - C_1 C_2 g_m r_o s + C_1 C_L C_{gd}^2 R_L r_o s^3 - C_1 C_L C_{gd} R_L g_m r_o s^2 + C_1 C_L C_{gd} R_L s^2 + C_1 C_L C_{gd} r_o s^2 - C_1 C_L R_L g_m s - C_1 C_L g_m r_o s + C_1 C_{gd}^2 r_o s^2 - C_1 C_{gd} g_m r_o s + C_1 C_{gd} s - C_1 g_m - C_2 C_1 C_{gd}^2 R_L r_o s^3 - C_2 C_L C_{gd} C_{gd} R_L r_o s^3 + C_2 C_L C_{gd} R_L g_m r_o s^2 + C_2 C_L C_{gd} r_o s^2 + C_2 C_L C_{gs} R_L g_m r_o s^2 - C_2 C_L g_m r_o s - C_2 C_{gd}^2 r_o s^2 - C_2 C_{gd} C_{gs} r_o s^2 + C_2 g_d g_m r_o s + C_2 C_g g_m r_o s + C_1 C_{gd}^2 C_{gs} R_L r_o s^3 + C_1 C_{gd}^2 R_L g_m r_o s^2 + C_1 C_{gd}^2 R_L r_o s^2 - C_L C_{gd} C_{gs} R_L g_m r_o s^2 + C_L C_{gd} C_{gs} R_L r_o s^2 + C_L C_{gd} C_{gs} r_o s^2 \right)}$$

10.175 INVALID-ORDER-175 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, \infty, \infty, \infty, L_L s + \frac{1}{C_L s} \right)$

[illegible]

10.176 INVALID-ORDER-176 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} \right)$

$$H(s) = \frac{L_L s (C_{gd}s - g_m) (C_2 r_o s + g_m r_o + 1)}{C_1 C_2 C_{gd} L_L r_o s^4 - C_1 C_2 L_L g_m r_o s^3 + C_1 C_1 C_{gd} L_L r_o s^4 - C_1 C_1 L_L g_m r_o s^3 + C_1 C_{gd} L_L g_m r_o s^3 + C_1 C_{gd} L_L s^3 + C_1 C_{gd} r_o s^2 - C_1 L_L g_m s^2 - C_1 g_m r_o s + C_2 C_1 C_{gd} L_L r_o s^4 - C_2 C_1 L_L g_m r_o s^3 - C_2 C_{gd} C_{gd} L_L r_o s^4 + C_2 C_{gd} L_L g_m r_o s^3 + C_2 C_{gd} r_o s^2 + C_2 C_{gd} L_L g_m r_o s^3 - C_2 g_m r_o s + C_1 C_{gd} C_{gd} L_L r_o s^4 + C_1 C_{gd} L_L g_m r_o s^3 + 2 C_1 C_{gd} L_L g_m r_o s^3 + C_1 C_{gd} L_L r_o s^3 + 2 C_1 C_{gd} L_L s^3 + C_1 C_{gd} L_L g_m r_o s^3 + C_1 C_{gd} L_L r_o s^3 + C_1 C_{gd} L_L s^3 - C_1 L_L g_m^2 r_o s^2 - C_1 L_L g_m s^2 + C_{gd}^2 C_{gd} L_L r_o s^4 + C_{gd}^2 C_{gd} L_L r_o s^3 + C_{gd}^2 C_{gd} L_L g_m r_o s^3 + C_{gd}^2 C_{gd} L_L s^3 - C_{gd} C_{gd} L_L r_o s^3 - C_{gd} C_{gd} L_L g_m r_o s^3 - C_{gd} C_{gd} L_L s^3}$$

10.177 INVALID-ORDER-177 $Z(s) = \left(\frac{1}{C_{1s}}, \frac{1}{C_{2s}}, \infty, \infty, \infty, L_L s + R_L + \frac{1}{C_L s} \right)$

$$H(s) = \frac{s \left(C_1 C_2 C_L C_{g_d} L_L r_o s^4 + C_1 C_2 C_L C_{g_d} R_L r_o s^3 - C_1 C_2 C_L L_L g_m r_o s^3 - C_1 C_2 C_L R_L g_m r_o s^2 + C_1 C_2 C_{g_d} r_o s^2 - C_1 C_{g_d} m r_o s + C_1 C_L C_{g_d}^2 L_L r_o s^4 + C_1 C_L C_{g_d}^2 R_L r_o s^3 - C_1 C_L C_{g_d} L_L g_m r_o s^3 + C_1 C_L C_{g_d} L_L s^3 - C_1 C_L C_{g_d} R_L g_m r_o s^2 + C_1 C_L C_{g_d} R_L s^2 + C_1 C_L C_{g_d} r_o s^2 - C_1 C_L L_L g_m s^2 - C_1 C_L R_L g_m s - C_1 C_L g_m r_o s + C_1 C_{g_d}^2 r_o s^2 - C_1 C_{g_d} g_m r_o s + C_1 C_{g_d} s - C_1 g_m - C_2 C_L C_{g_d}^2 L_L r_o s^4 - C_2 C_L C_{g_d}^2 R_L r_o s^3 - C_2 C_L C_{g_d} C_{g_s} L_L r_o s^4 - C_2 C_L C_{g_d} C_{g_s} R_L r_o s^3 + C_2 C_L C_{g_d} L_L g_m r_o s^3 + C_2 C_L C_{g_d} R_L g_m r_o s^2 + C_2 C_L C_{g_d} r_o s^2 + C_2 C_L C_{g_s} L_L g_m r_o s^3 + C_2 C_L C_{g_s} R_L g_m r_o s^2 + C_2 C_L C_{g_s} L_L s^3 - C_2 C_L C_{g_s} R_L s^2 - C_2 C_L C_{g_s} r_o s^2 - C_2 C_L g_m - C_2 C_{g_d} g_m - C_2 C_{g_d} r_o \right)}{s^5 + C_1 C_L C_{g_d} L_L s^4 + C_1 C_L C_{g_d} R_L s^3 + C_1 C_L C_{g_d} L_L g_m s^2 + C_1 C_L C_{g_d} R_L g_m s + C_1 C_L C_{g_d} r_o + C_1 C_L g_m + C_1 C_{g_d} + 1}$$

10.178 INVALID-ORDER-178 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s + R_L + L_L s} \right)$

[illegible]

10.179 INVALID-ORDER-179 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} + R_L \right)$

$$H(s) = \frac{-C_1 C_2 C_L C_{gd} L_L R_L R_o s^5 - C_1 C_2 C_L L_L R_L g_m r_o s^4 + C_1 C_2 C_{gd} L_L R_o s^4 + C_1 C_2 C_{gd} R_L R_o s^3 - C_1 C_2 L_L g_m r_o s^3 - C_1 C_2 R_L g_m r_o s^2 + C_1 C_L C_{gd}^2 L_L R_L R_o s^5 - C_1 C_L C_{gd} L_L R_L g_m r_o s^4 + C_1 C_L C_{gd} L_L R_L s^4 + C_1 C_L C_{gd} L_L R_o s^4 - C_1 C_L L_L R_L g_m s^3 - C_1 C_L L_L g_m r_o s^3 + C_1 C_{gd}^2 L_L R_o s^4 + C_1 C_{gd}^2 L_L R_o s^3 - C_1 C_{gd} L_L s^3 - C_1 C_{gd} R_L g_m r_o s^2 + C_1 C_{gd} R_L s^2 + C_1 C_{gd} R_o s^2 - C_1 L_L g_m s^2 - C_1 R_L g_m s - C_1 g_m r_o s - C_2 C_L C_{gd}^2 L_L R_L R_o s^5 - C_2 C_L C_{gd} C_{gs} L_L R_L r_o s^4 + C_2 C_L C_{gd} L_L R_L g_m r_o s^4 + C_2 C_L C_{gd} L_L R_L g_m r_o s^4 - C_2 C_L L_L$$

10.180 INVALID-ORDER-180 $Z(s) = \left(\frac{1}{C_1 s}, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{R_L \left(L_L s + \frac{1}{C_L s} \right)}{L_L s + R_L + \frac{1}{C_L s}} \right)$

$$H(s) = \frac{C_1 C_2 C_L C_{g_d} L_L R_L r_o s^5 - C_1 C_2 C_L L_L R_L g_m r_o s^4 + C_1 C_2 C_{g_d} R_L r_o s^3 - C_1 C_2 R_L g_m r_o s^2 + C_1 C_L C_{g_d}^2 L_L R_L r_o s^5 - C_1 C_L C_{g_d} L_L R_L g_m r_o s^4 + C_1 C_L C_{g_d} L_L R_L s^4 + C_1 C_L C_{g_d} R_L r_o s^4 + C_1 C_L C_{g_d} R_L r_o s^3 - C_1 C_L L_L R_L g_m s^3 - C_1 C_L L_L g_m r_o s^3 - C_1 C_L R_L g_m r_o s^2 + C_1 C_{g_d}^2 R_L r_o s^3 - C_1 C_{g_d} R_L r_o s^2 + C_1 C_{g_d} R_L s^2 + C_1 C_{g_d} r_o s^2 - C_1 R_L g_m s - C_1 g_m r_o s - C_2 C_L C_{g_d}^2 L_L R_L r_o s^5 - C_2 C_L C_{g_d} C_g L_L R_L r_o s^5 + C_2 C_L C_{g_d} L_L R_L g_m r_o s^4 + C_2 C_L C_{g_d} L_L r_o s^4 + C_2 C_L C_{g_d} R_L r_o s^3 + C_2 C_L C_g L_L R_L g_m r_o s^4 - C_2 C_L L_L g_m r_o s^3 - C_2 C_L R_L g_m r_o s^2 - C_2 C_{g_d}^2 R_L r_o s^4}{\dots}$$

10.181 INVALID-ORDER-181 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \infty, R_L \right)$

[illegible]

10.236 INVALID-ORDER-236 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2 \left(L_2 s + \frac{1}{C_2 s} \right)}{L_2 s + R_2 + \frac{1}{C_2 s}}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} \right)$

[illegible]

10.237 INVALID-ORDER-237 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2 \left(L_2 s + \frac{1}{C_2 s} \right)}{L_2 s + R_2 + \frac{1}{C_2 s}}, \infty, \infty, \infty, L_L s + R_L + \frac{1}{C_L s} \right)$

[illegible]

10.238 INVALID-ORDER-238 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2 \left(L_2 s + \frac{1}{C_2 s} \right)}{L_2 s + R_2 + \frac{1}{C_2 s}}, \infty, \infty, \infty, \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}} \right)$

[illegible]

10.239 INVALID-ORDER-239 $Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2 \left(L_2 s + \frac{1}{C_2 s} \right)}{L_2 s + R_2 + \frac{1}{C_2 s}}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} + R_L \right)$

[illegible]

$$10.240 \quad \text{INVALID-ORDER-240} \quad Z(s) = \left(\frac{1}{C_1 s}, \frac{R_2 \left(L_2 s + \frac{1}{C_2 s} \right)}{L_2 s + R_2 + \frac{1}{C_2 s}}, \infty, \infty, \infty, \frac{R_L \left(L_L s + \frac{1}{C_L s} \right)}{L_L s + R_L + \frac{1}{C_L s}} \right)$$

[illegible]

10.241 INVALID-ORDER-241 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \infty, \infty, \infty, R_L \right)$

$$H(s) = C_1^2 C_2 R_1 R_2 R_1 r_{1,s} s^3 - C_1 C_{ad} R_1 R_2 R_1 q_{1,m} r_{1,s} s^2 + C_1 C_{ad} R_1 R_2 R_1 s^2 + C_1 C_{ad} R_1 R_2 r_{1,s} s^2 + C_1 C_{ad} R_1 R_1 r_{1,s} s^2 - C_1 R_1 R_2 R_1 q_{1,m} s - C_1 R_1 R_2 q_{1,m} r_{1,s} s - C_1 R_1 R_1 q_{1,m} r_{1,s} s + C_2^2 C_{ad} R_1 R_2 R_1 r_{1,s}^2 s^3 + C_2^2 R_1 R_2 R_1 q_{1,m} r_{1,s}^2 s^2 + C_2^2 R_1 R_2 R_1 r_{1,s}^2 s^2 - C_2^2 R_1 R_1 r_{1,s} s^2 + C_2^2 R_2 R_1 r_{1,s} s^2 - C_{ad} C_{ad} R_1 R_2 R_1 q_{1,m} r_{1,s}^2 s^2 + C_{ad} C_{ad} R_1 R_2 R_1 r_{1,s} s^2 + C_{ad} C_{ad} R_1 R_2 r_{1,s}^2 s^2 - R_1 R_1 (C_{ad} s^2 - q_{1,m}) (R_2 q_{1,m} r_{1,s} + R_2 + r_{1,s})$$

10.242 INVALID-ORDER-242 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \infty, \infty, \infty, \frac{1}{C_L s} \right)$

[illegible]

10.243 INVALID-ORDER-243 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \infty, \infty, \infty, \frac{R_L}{C_L R_L s + 1} \right)$

[illegible]

10.244 INVALID-ORDER-244 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \infty, \infty, \infty, R_L + \frac{1}{C_L s} \right)$

10.245 INVALID-ORDER-245 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \infty, \infty, \infty, L_L s + \frac{1}{C_L s} \right)$

$$H(s) = -C_1 C_2 C_{gs}^2 L_1 L_1 R_2 r_{\sigma s}^5 - C_1 C_2 C_{gs} C_{gd} L_1 R_1 R_{2g} m_{\tau} s^5 + C_1 C_2 C_{gs} C_{gd} L_1 R_1 R_2 s^4 + C_1 C_2 C_{gs} C_{gd} L_1 R_1 r_{\sigma} s^4 + C_1 C_2 C_{gs} C_{gd} R_1 R_2 r_{\sigma} s^3 - C_1 C_1 L_1 L_1 R_1 R_{2g} m_{\tau} s^3 - C_1 C_1 L_1 L_1 R_1 m_{\tau} r_{\sigma} s^3 - C_1 C_1 L_1 R_1 R_{2g} m_{\tau} s^2 + C_1 C_2^2 C_{gs} L_1 R_1 R_2 r_{\sigma} s^3 - C_1 C_{gd} R_1 R_{2g} m_{\tau} s^2 + C_1 C_{gd} R_1 R_2 s^2 + C_1 C_{gd} L_1 R_1 r_{\sigma} s^2 - C_1 L_1 R_1 m_{\tau} s^2 + C_1 L_1^2 C_{gs} C_{gs} L_1 R_1 R_2 r_{\sigma} s^2 + C_1 L_1^2 C_{gs} L_1 R_1 R_2 r_{\sigma} s^4 - C_1 C_{gs}^2 C_{gs} L_1 R_1 R_2 r_{\sigma} s^4 - C_1 C_{gs}^2 C_{gs} L_1 R_1 R_2 m_{\tau} s^3 - C_1 C_{gs}^2 C_{gs} L_1 R_1 r_{\sigma} s^4 + C_1 C_{gs}^2 C_{gs} L_1 R_1 R_2 r_{\sigma} s^4 - C_1 C_{gs} C_{gs} L_1 R_1 R_2 m_{\tau} s^3 - C_1 C_{gs} C_{gs} L_1 R_1 r_{\sigma} s^4 + C_1 C_{gs} C_{gs} R_1 R_2 r_{\sigma} s^3 - C_1 C_{gs} C_{gs} L_1 R_1 R_{2g} m_{\tau} s^3 -$$

10.246 INVALID-ORDER-246 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} \right)$

10.247 INVALID-ORDER-247 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \infty, \infty, \infty, L_L s + R_L + \frac{1}{C_L s} \right)$

$$H(s) = -C_1 C_1 C_{gd}^2 L L_1 R_2 r_{\sigma s}^5 + C_1 C_1 L C_{gd}^2 R_1 R_2 L_1 r_{\sigma s}^4 - C_1 C_1 C_{gd} L L_1 R_2 g_{m r_{\sigma s}}^4 + C_1 C_1 C_{gd} L L_1 R_2 g_{m r_{\sigma s}}^4 + C_1 C_1 C_{gd} L L_1 R_2 s^4 + C_1 C_1 C_{gd} L L_1 r_{\sigma s}^4 s - C_1 C_1 C_{gd} R_1 R_2 L_1 g_{m r_{\sigma s}}^3 + C_1 C_1 C_{gd} R_1 R_2 L_1 s^3 + C_1 C_1 C_{gd} R_1 R_2 r_{\sigma s}^3 + C_1 C_1 C_{gd} R_1 R_2 L_1 r_{\sigma s}^3 s - C_1 C_1 L L_1 R_2 g_{m r_{\sigma s}}^3 - C_1 C_1 L R_1 R_2 L_1 g_{m r_{\sigma s}}^3 - C_1 C_1 R_1 R_2 g_{m r_{\sigma s}}^3 - C_1 C_1 R_1 R_2 L_1 g_{m r_{\sigma s}}^3 + C_1 C_{gd}^2 R_1 R_2 R_1 s^2 - C_1 C_{gd} R_1 R_2 g_{m r_{\sigma s}}^2 + C_1 C_{gd} R_1 R_2 L_1 s^2 + C_1 C_{gd} R_1 R_2 L_1 r_{\sigma s}^2 s - C_1 R_1 R_2 g_{m r_{\sigma s}} s - C_1 R_1 g_{m r_{\sigma s}} s + C_1 C_{gd}^2 C_{gs} L L_1 R_1 R_2 r_{\sigma s}^5 s + C_1 C_{gd}^2 C_{gs} R_1 R_2 R_1 r_{\sigma s}^5 s + C_1 C_{gd}^2 C_{gs} R_1 R_2 R_2 r_{\sigma s}^5 s + C_1 C_{gd}^2 C_{gs} L L_1 R_2 g_{m r_{\sigma s}}^4 s + C_1 C_{gd}^2 L L_1 R_2 g_{m r_{\sigma s}}^4 s + C_1 C_{gd}^2 L L_1 R_2 r_{\sigma s}^4 s$$

10.248 INVALID-ORDER-248 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \infty, \infty, \infty, \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}} \right)$

[illegible]

10.249 INVALID-ORDER-249 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} + R_L \right)$

[illegible]

10.250 INVALID-ORDER-250 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2, \infty, \infty, \infty, \frac{R_L (L_L s + \frac{1}{C_L s})}{L_L s + R_L + \frac{1}{C_L s}} \right)$

[illegible]

10.251 INVALID-ORDER-251 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \infty, \infty, \infty, R_L \right)$

10.252 INVALID-ORDER-252 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s} \right)$

10.253 INVALID-ORDER-253 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{R_L}{C_L R_L s + 1} \right)$

[illegible]

10.254 INVALID-ORDER-254 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, \frac{1}{C_2 s}, \infty, \infty, \infty, R_L + \frac{1}{C_L s} \right)$

10.274 INVALID-ORDER-274 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, R_L + \frac{1}{C_L s} \right)$

[illegible]

10.275 INVALID-ORDER-275 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, L_L s + \frac{1}{C_L s} \right)$

$$H(s) = C_{12}C_{A1}C_{26}^2L_1L_1R_1R_2r_o s^6 - C_1C_2C_1C_{A1}C_{A1}L_1R_1R_2g_m r_o s^5 + C_1C_2C_1C_{A1}C_{A1}C_{A1}L_1R_1R_2s^5 + C_1C_2C_1C_{A1}C_{A1}L_1R_1r_o s^5 + C_1C_2C_1C_{A1}C_{A1}R_1R_2r_o s^4 - C_1C_2C_1L_1L_1R_1R_2g_m s^4 - C_1C_2C_1L_1L_1R_1g_m r_o s^4 - C_1C_2C_1L_1R_1R_2g_m r_o s^3 + C_1C_2C_{A1}^2L_1R_1R_2r_o s^3 - C_1C_2C_{A1}L_1R_1R_2g_m s^3 + C_1C_2C_{A1}L_1R_1R_2s^3 + C_1C_2C_{A1}L_1R_1r_o s^3 - C_1C_2R_1R_2g_m s^2 - C_1C_2R_1g_m r_o s^2 + C_1C_1C_{A1}^2L_1R_1r_o s^5 - C_1C_1C_{A1}L_1R_1g_m r_o s^4 + C_1C_1C_{A1}L_1R_1s^4 + C_1C_1C_{A1}L_1R_1s^3 - C_1C_1C_{A1}L_1R_1g_m s^2 + C_1C_1C_{A1}R_1r_o s^2 - C_1C_1R_1g_m s + C_2C_1C_{A1}^2C_{A1}s^5 - C_2C_1C_{A1}R_1g_m r_o s^2 + C_1C_{A1}C_{A1}R_1s^2 - C_1R_1g_m s + C_2C_1C_{A1}^2C_{A1}s^5$$

10.276 INVALID-ORDER-276 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} \right)$

$$H(s) = -C_{12}C_{A1}C_{g0}L_L L_1 R_1 R_2 r_o s^5 - C_1 C_2 C_L L_1 L_1 R_2 g_m r_o s^4 + C_1 C_2 C_s^2 L_L L_1 R_1 R_2 r_o s^3 - C_1 C_2 C_g C_d L_L L_1 R_2 g_m r_o s^4 + C_1 C_2 C_g C_d L_L L_1 R_2 s^4 - C_1 C_2 C_L L_1 R_2 g_m s^3 - C_1 C_2 L_L L_1 R_1 g_m r_o s^3 - C_1 C_2 R_1 R_2 r_o s^2 + C_1 C_1 C_d L_L L_1 R_1 r_o s^4 - C_1 C_1 L_L L_1 R_1 g_m r_o s^3 + C_1 C_1^2 L_L L_1 R_1 r_o s^4 - C_1 C_d L_L L_1 g_m r_o s^3 + C_1 C_d C_d L_L L_1 R_1 s^3 + C_1 C_d C_d R_1 r_o s^2 - C_1 L_1 g_m r_o s + C_2 C_1 C_d C_g L_L L_1 R_1 R_2 r_o s^5 + C_2 C_2 C_d C_g L_L L_1 R_2 g_m r_o s^4 + C_2 C_2 C_d C_g L_L L_1 R_2 g_m r_o s^4 + 2C_2 C_L C_d g_d L_L R_1 R_2 g_m r_o s^4 + C_2 C_2 C_d C_g L_L L_1 R_2 r_o s^4 + 2C_2 C_L C_d g_d L_L R_1 R_2 s^4 + C_2 C_1 C_g m^2$$

10.277 INVALID-ORDER-277 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, L_L s + R_L + \frac{1}{C_L s} \right)$

$$H(s) = \frac{C_1 C_2 C_1 C_2^2 L_1 L_1 R_1 R_2 r_{\sigma} s^6 + C_1 C_2 C_1 C_2^2 R_1 R_2 R_1 r_{\sigma} s^5 - C_1 C_2 C_1 C_2 C_{\phi} L_1 R_1 R_2 g_{m\sigma} r_{\sigma} s^5 + C_1 C_2 C_1 C_{\phi} L_1 L_1 R_1 R_2 s^4 + C_1 C_2 C_1 C_{\phi} L_1 R_1 R_2 s^4 - C_1 C_2 C_1 C_{\phi} R_1 R_2 R_1 g_{m\sigma} r_{\sigma} s^4 + C_1 C_2 C_1 C_{\phi} R_1 R_1 R_2 r_{\sigma} s^4 - C_1 C_2 C_1 L_1 R_1 R_2 g_{m\sigma} s^4 - C_1 C_2 C_1 L_1 R_1 g_{m\sigma} r_{\sigma} s^4 - C_1 C_2 C_1 R_1 R_2 R_1 g_{m\sigma} s^3 - C_1 C_2 C_1 R_1 R_1 R_2 g_{m\sigma} s^3 + C_1 C_2 C_2^2 R_1 R_1 R_2 r_{\sigma} s^3 - C_1 C_2 C_{\phi} R_1 R_2 g_{m\sigma} r_{\sigma} s^3 + C_1 C_2 C_{\phi} R_1 R_2 s^3 + C_1 C_2 C_{\phi} R_1 r_{\sigma} s^3 - C_1 C_2 R_1 R_2 g_{m\sigma} s^2 - C_1 C_2 L_1 C_{\phi} L_1 R_1 r_{\sigma} s^2 + C_1 C_1 C_2^2 R_1 R_1 R_2 r_{\sigma} s^2}{s^7 + C_1 C_2 C_1 C_2^2 L_1 L_1 R_1 R_2 r_{\sigma} s^6 + C_1 C_2 C_1 C_2^2 R_1 R_2 R_1 r_{\sigma} s^5 - C_1 C_2 C_1 C_2 C_{\phi} L_1 R_1 R_2 g_{m\sigma} r_{\sigma} s^5 + C_1 C_2 C_1 C_{\phi} L_1 L_1 R_1 R_2 s^4 + C_1 C_2 C_1 C_{\phi} L_1 R_1 R_2 s^4 - C_1 C_2 C_1 C_{\phi} R_1 R_2 R_1 g_{m\sigma} r_{\sigma} s^4 + C_1 C_2 C_1 C_{\phi} R_1 R_1 R_2 r_{\sigma} s^4 - C_1 C_2 C_1 L_1 R_1 R_2 g_{m\sigma} s^4 - C_1 C_2 C_1 L_1 R_1 g_{m\sigma} r_{\sigma} s^4 - C_1 C_2 C_1 R_1 R_2 R_1 g_{m\sigma} s^3 - C_1 C_2 C_1 R_1 R_1 R_2 g_{m\sigma} s^3 + C_1 C_2 C_2^2 R_1 R_1 R_2 r_{\sigma} s^3 - C_1 C_2 C_{\phi} R_1 R_2 g_{m\sigma} r_{\sigma} s^3 + C_1 C_2 C_{\phi} R_1 R_2 s^3 + C_1 C_2 C_{\phi} R_1 r_{\sigma} s^3 - C_1 C_2 R_1 R_2 g_{m\sigma} s^2 - C_1 C_2 L_1 C_{\phi} L_1 R_1 r_{\sigma} s^2 + C_1 C_1 C_2^2 R_1 R_1 R_2 r_{\sigma} s^2}$$

10.278 INVALID-ORDER-278 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s + \frac{1}{R_L + \frac{1}{L_L s}}} \right)$

[illegible]

10.279 INVALID-ORDER-279 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} + R_L \right)$

[illegible]

10.280 INVALID-ORDER-280 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{R_L (L_L s + \frac{1}{C_L s})}{L_L s + R_L + \frac{1}{C_L s}} \right)$

[illegible]

10.281 INVALID-ORDER-281 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, R_L \right)$

[illegible]

10.282 INVALID-ORDER-282 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s} \right)$

[illegible]

10.283 INVALID-ORDER-283 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{R_L}{C_L R_L s + 1} \right)$

[illegible]

10.284 INVALID-ORDER-284 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, R_L + \frac{1}{C_L s} \right)$

[illegible]

10.285 INVALID-ORDER-285 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, L_L s + \frac{1}{C_L s} \right)$

[illegible]

10.286 INVALID-ORDER-286 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} \right)$

[illegible]

10.287 INVALID-ORDER-287 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, L_L s + R_L + \frac{1}{C_L s} \right)$

[illegible]

10.288 INVALID-ORDER-288 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s + \frac{1}{R_L + \frac{1}{L_L s}}} \right)$

[illegible]

10.289 INVALID-ORDER-289 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} + R_L \right)$

[illegible]

10.290 INVALID-ORDER-290 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{R_L (L_L s + \frac{1}{C_L s})}{L_L s + R_L + \frac{1}{C_L s}} \right)$

[illegible]

10.291 INVALID-ORDER-291 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, R_L \right)$

[illegible]

10.292 INVALID-ORDER-292 $Z(s) = \left(\frac{R_1}{C_1 R_1 s + 1}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s} \right)$

[illegible]

10.348 INVALID-ORDER-348 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \infty, \frac{1}{C_L s + \frac{1}{R_L + \frac{1}{L_L s}}} \right)$

[illegible]

10.349 INVALID-ORDER-349 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} + R_L \right)$

[illegible]

10.350 INVALID-ORDER-350 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \infty, \frac{R_L \left(L_L s + \frac{1}{C_L s} \right)}{L_L s + R_L + \frac{1}{C_L s}} \right)$

[illegible]

10.351 INVALID-ORDER-351 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, R_L \right)$

$$H(s) = C_{12}C_{29}C_{9d}C_{9s}R_1R_2R_{1L}r_{7s}^2s^3 + C_{12}C_{29}C_{9d}R_1R_2R_{1L}9m_{7s}^2s^4 + C_{12}C_{29}C_{9d}R_1R_2R_{1L}r_{7s}s^4 - C_{12}C_{29}C_{9d}R_1R_{1L}r_{7s}^4 + C_{12}C_{29}C_{9d}R_1R_{1L}R_{7s}^4 - C_{12}C_{29}C_{9d}C_{9s}R_1R_2R_{1L}9m_{7s}^2s^4 + C_{12}C_{29}C_{9d}C_{9s}R_1R_2R_{1L}r_{7s}^4 + C_{12}C_{29}C_{9d}C_{9s}R_1R_2R_{1L}r_{7s}^4s^3 - C_{12}C_{29}C_{9d}C_{9s}R_1R_{1L}r_{7s}^4s^3 - C_{12}C_{29}C_{9d}R_1R_2R_{1L}9m_{7s}^2r_{7s}^3s^3 - C_{12}C_{29}C_{9d}R_1R_2R_{1L}9m_{7s}r_{7s}^3s^3 + C_{12}C_{29}C_{9d}R_1R_{2L}9m_{7s}^2r_{7s}^3s^3 + 2C_{12}C_{29}C_{9d}R_1R_{2L}9m_{7s}r_{7s}^3s^3 + C_{12}C_{29}C_{9d}R_1R_2R_{7s}^2r_{7s}^3s^3 + 2C_{12}C_{29}C_{9d}R_1R_{2L}r_{7s}^3s^3 + C_{12}C_{29}C_{9d}R_1R_{2L}9m_{7s}r_{7s}^3s^3 + C_{12}C_{29}C_{9d}R_1r_{7s}^3s^3 - C_{12}C_{29}C_{9d}R_2R_{1L}9m_{7s}r_{7s}^3s^3 + C_{12}C_{29}C_{9d}R_2R_{1L}r_{7s}^3s^3 + C_{12}C_{29}C_{9d}R_2R_{7s}^2r_{7s}^3s^3 + C_{12}C_{29}C_{9d}R_{1L}R_{7s}^2r_{7s}^3s^3 - C_{12}C_{29}C_{9s}R_1R_2R_{1L}$$

10.352 INVALID-ORDER-352 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s} \right)$

[illegible]

10.353 INVALID-ORDER-353 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{R_L}{C_L R_L s + 1} \right)$

[illegible]

10.354 INVALID-ORDER-354 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, R_L + \frac{1}{C_L s} \right)$

[illegible]

10.355 INVALID-ORDER-355 $Z(s) = \left(R_1 + \frac{1}{C_1s}, R_2 + \frac{1}{C_2s}, \infty, \infty, \infty, L_Ls + \frac{1}{C_Ls}\right)$

[illegible]

10.356 INVALID-ORDER-356 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} \right)$

[illegible]

10.357 INVALID-ORDER-357 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, L_L s + R_L + \frac{1}{C_L s} \right)$

[illegible]

10.358 INVALID-ORDER-358 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s + \frac{1}{R_L + \frac{1}{L_L s}}} \right)$

[illegible]

10.359 INVALID-ORDER-359 $Z(s) = \left(R_1 + \frac{1}{C_{1s}}, R_2 + \frac{1}{C_{2s}}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} + R_L \right)$

[illegible]

10.360 INVALID-ORDER-360 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{R_L \left(L_L s + \frac{1}{C_L s} \right)}{L_L s + R_L + \frac{1}{C_L s}} \right)$

[illegible]

10.361 INVALID-ORDER-361 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, R_L \right)$

$$H(s) = C_{12}C_2C_{g2}^2C_{g4}L_2R_1R_1\tau_{r2}s^6 + C_{12}C_2C_{g2}^2L_2R_1L_1g_{m1}\tau_{r2}^2s^6 + C_{12}C_2C_{g2}^2L_2R_1R_1\tau_{r2}s^6 + C_{12}C_2C_{g2}^2L_2R_1\tau_{r2}s^6 - C_{12}C_2C_{g2}^2L_2R_1\tau_{r2}s^6 - C_{12}C_2C_{g2}^2C_{g4}L_2R_1L_1g_{m1}\tau_{r2}^2s^6 + C_{12}C_2C_{g2}C_{g4}L_2R_1R_1\tau_{r2}s^6 + C_{12}C_2C_{g2}C_{g4}L_2R_1\tau_{r2}s^6 - C_{12}C_2C_{g2}C_{g4}R_1R_1\tau_{r2}s^6 - C_{12}C_2C_{g2}L_2R_1L_1g_{m1}\tau_{r2}^2s^6 - C_{12}C_2C_{g2}L_2R_1L_1g_{m1}\tau_{r2}s^6 + C_{12}C_2C_{g2}L_2R_1L_1g_{m1}\tau_{r2}s^6 + 2C_{12}C_2C_{g2}L_2R_1g_{m1}\tau_{r2}s^4 + C_{12}C_2C_{g2}L_2R_1\tau_{r2}s^4 + 2C_{12}C_2C_{g2}L_2R_1s^4 - C_{12}C_2C_{g2}L_2L_1g_{m1}\tau_{r2}s^4 + C_{12}C_2C_{g2}L_2R_1\tau_{r2}s^4 + C_{12}C_2C_{g2}L_2R_1\tau_{r2}s^4 + C_{12}C_2C_{g2}R_1R_1g_{m1}\tau_{r2}s^3 + C_{12}C_2C_{g2}R_1\tau_{r2}s^3 + C_{12}C_2C_{g2}L_2R_1\tau_{r2}s^3 - C_{12}C_2C_{g2}L_2R_1R_1g_{m1}$$

10.362 INVALID-ORDER-362 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s} \right)$

$$H(s) = -s \left(C_1 C_2 C_3 C_{ad} C_{ad} L_2 R_1 r_2^2 s^5 + C_1^2 C_2 C_3 C_{ad} L_2 R_1 g_{m\tau} r_2^2 s^4 + 2 C_1 C_2 C_3 C_1 C_{ad} L_2 R_1 g_{m\tau} r_2^2 s^4 + C_1 C_2 C_3 C_{ad} L_2 R_1 r_{\tau} s^4 + 2 C_1 C_2 C_3 C_{ad} L_2 R_1 s^4 + C_1 C_2 C_3 C_{ad} L_2 r_{\tau} s^4 + C_1 C_2 C_3 C_{ad} R_1 r_{\tau} s^4 + C_1 C_2 C_3 C_{ad} L_2 R_1 r_{\tau} s^4 + C_1 C_2 C_3 C_{ad} L_2 R_1 g_{m\tau} r_{\tau} s^4 + C_1 C_2 C_3 C_{ad} L_2 R_1 r_{\tau} s^4 + C_1 C_2 C_3 C_{ad} L_2 R_1 s^4 - C_1 C_2 C_3 L_1 L_2 R_1 g_{m\tau}^2 s^3 - C_1 C_2 C_3 L_1 L_2 R_1 g_{m\tau} s^3 - C_1 C_2 C_3 L_1 L_2 R_1 g_{m\tau} s^3 - C_1 C_2 C_3 L_1 L_2 g_{m\tau} r_{\tau} s^3 - C_1 C_2 C_3 L_1 R_1 g_{m\tau} r_{\tau} s^3 + C_1 C_2 C_3^2 C_{ad} L_2 R_1 r_2^2 s^4 + C_1 C_2 C_3^2 L_2 R_1 g_{m\tau}^2 s^4 + C_1 C_2 C_3^2 L_2 R_1 r_{\tau} s^4 + C_1 C_2 C_3^2 L_2 R_1 s^4 - C_1 C_2 C_3^2 R_1 r_{\tau} s^3 - C_1 C_2 C_{ad} C_{ad} L_2 R_1 g_{m\tau}^2 s^4 + C_1 C_2 C_{ad} C_{ad} L_2 R_1 r_{\tau} s^4 - C_1 C_2 C_{ad} C_{ad} L_2 R_1 s^4 - C_1 C_2 C_{ad} C_{ad} L_2 R_1 g_{m\tau}^2 s^3 - C_1 C_2 C_{ad} C_{ad} L_2 R_1 r_{\tau} s^3 - C_1 C_2 C_{ad} C_{ad} L_2 R_1 s^3 \right)$$

10.363 INVALID-ORDER-363 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{R_L}{C_L R_L s + 1} \right)$

[illegible]

10.364 INVALID-ORDER-364 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, R_L + \frac{1}{C_L s}\right)$

[illegible]

10.365 INVALID-ORDER-365 $Z(s) = \left(R_1 + \frac{1}{C_1 s}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -s \left(C_1 C_2 C_1 C_2 C_{\alpha 0} L_2 L_1 R_1 R_2 s^7 + C_1 C_2 C_1 C_2 C_{\alpha 2} L_2 L_1 R_1 R_2 s^6 + C_1 C_2 C_1 C_2 C_{\alpha 4} L_2 L_1 R_1 R_2 s^5 + C_1 C_2 C_1 C_2 C_{\alpha 6} L_2 L_1 R_1 R_2 s^4 - C_1 C_2 C_1 C_2 L_1 R_1 R_2 s^3 - C_1 C_2 C_1 C_{\alpha 0} C_{\alpha 2} L_2 L_1 R_1 R_2 s^2 + C_1 C_2 C_1 C_{\alpha 0} C_{\alpha 4} L_2 L_1 R_1 R_2 s + C_1 C_2 C_1 C_{\alpha 0} C_{\alpha 6} L_2 L_1 R_1 R_2 s^0 - C_1 C_2 C_1 C_{\alpha 2} C_{\alpha 4} L_2 L_1 R_1 R_2 s^5 - C_1 C_2 C_1 C_{\alpha 2} C_{\alpha 6} L_2 L_1 R_1 R_2 s^4 - C_1 C_2 C_1 C_{\alpha 4} C_{\alpha 6} L_2 L_1 R_1 R_2 s^3 - C_1 C_2 C_1 C_{\alpha 0} C_{\alpha 2} L_1 R_1 R_2 s^6 - C_1 C_2 C_1 C_{\alpha 0} C_{\alpha 4} L_1 R_1 R_2 s^5 - C_1 C_2 C_1 C_{\alpha 0} C_{\alpha 6} L_1 R_1 R_2 s^4 - C_1 C_2 C_1 C_{\alpha 2} L_1 R_1 R_2 s^3 - C_1 C_2 C_1 C_{\alpha 4} L_1 R_1 R_2 s^2 - C_1 C_2 C_1 C_{\alpha 6} L_1 R_1 R_2 s^1 + C_1 C_2 C_1 C_{\alpha 0} L_2 R_1 R_2 s^4 + 2 C_1 C_2 C_1 C_{\alpha 2} L_2 R_1 R_2 s^3 + C_1 C_2 C_1 C_{\alpha 4} L_2 R_1 R_2 s^2 + C_1 C_2 C_1 C_{\alpha 6} L_2 R_1 R_2 s^1 + C_1 C_2 C_1 C_{\alpha 0} L_1 R_2 R_2 s^4 + C_1 C_2 C_1 C_{\alpha 2} L_1 R_2 R_2 s^3 + C_1 C_2 C_1 C_{\alpha 4} L_1 R_2 R_2 s^2 + C_1 C_2 C_1 C_{\alpha 6} L_1 R_2 R_2 s^1 + C_1 C_2 C_1 C_{\alpha 0} L_1 R_1 R_2 s^4 + C_1 C_2 C_1 C_{\alpha 2} L_1 R_1 R_2 s^3 + C_1 C_2 C_1 C_{\alpha 4} L_1 R_1 R_2 s^2 + C_1 C_2 C_1 C_{\alpha 6} L_1 R_1 R_2 s^1 + C_1 C_2 C_1 C_{\alpha 0} L_1 R_1 R_2 s^0 \right)$$

10.675 INVALID-ORDER-675 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1 + \frac{1}{L_1 s}}}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, L_L s + \frac{1}{C_L s} \right)$

[illegible]

10.676 INVALID-ORDER-676 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1 + \frac{1}{L_1 s}}}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} \right)$

[illegible]

10.677 INVALID-ORDER-677 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1 + \frac{1}{L_1 s}}}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, L_L s + R_L + \frac{1}{C_L s} \right)$

$$H(s) = C_1C_2C_{Lg}C_{gd}^2L_1L_1R_1R_2r_o^{87} + C_1C_2C_1C_1C_{gd}^2L_1R_1R_2R_1r_o^{66} - C_1C_2C_1C_{gd}L_1L_1R_1R_2gm_r{o}^{60} + C_1C_2C_1C_{gd}L_1L_1R_1R_2s^{68} + C_1C_2C_{Lg}L_{gd}L_1L_1R_1r_o^{66} - C_1C_2C_1C_{gd}L_1R_1R_2R_1gm_r{o}^{55} + C_1C_2C_1C_{gd}L_1R_1R_2R_1s^{83} + C_1C_2C_{Lg}L_{gd}L_1R_1R_2r_o^{68} + C_1C_2C_{Lg}L_{gd}L_1R_1R_1r_o^{68} - C_1C_2C_L L_1L_1R_1R_2gm_s^{55} - C_1C_2C_L L_1L_1R_1R_2gm_r{o}^{54} - C_1C_2C_L L_1L_1R_1R_2gm_r{o}^{54} - C_1C_2C_L L_1R_1R_2gm_r{o}^{54} + C_1C_2C_{gd}^2L_1R_1R_2r_o^{84} - C_1C_2C_{gd}L_1R_1R_2gm_r{o}^{58} + C_1C_2C_{gd}L_1R_1R_2s^{84} + C_1C_2C_{gd}L_1R_1r_o^{64} - C_1C_2L_1R_1R_2gm_s^{55} - C_1C_2L_1$$

10.678 INVALID-ORDER-678 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1 + \frac{1}{L_1 s}}}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s + \frac{1}{R_L + \frac{1}{L_L s}}} \right)$

[illegible]

10.679 INVALID-ORDER-679 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1 + \frac{1}{L_1 s}}}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} + R_L \right)$

[illegible]

10.680 INVALID-ORDER-680 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1 + \frac{1}{L_1 s}}}, R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{R_L(L_L s + \frac{1}{C_L s})}{L_L s + R_L + \frac{1}{C_L s}} \right)$

[illegible]

10.681 INVALID-ORDER-681 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1 + \frac{1}{L_1 s}}}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, R_L \right)$

[illegible]

10.682 INVALID-ORDER-682 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1} + \frac{1}{L_1 s}}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s} \right)$

[illegible]

10.683 INVALID-ORDER-683 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1 + \frac{1}{L_1 s}}}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{R_L}{C_L R_L s + 1} \right)$

[illegible]

10.684 INVALID-ORDER-684 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1 + \frac{1}{L_1 s}}}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, R_L + \frac{1}{C_L s} \right)$

[illegible]

10.685 INVALID-ORDER-685 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1 + \frac{1}{L_1 s}}}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, L_L s + \frac{1}{C_L s} \right)$

[illegible]

10.686 INVALID-ORDER-686 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1 + \frac{1}{L_1 s}}}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} \right)$

[illegible]

10.687 INVALID-ORDER-687 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1 + \frac{1}{L_1 s}}}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, L_L s + R_L + \frac{1}{C_L s} \right)$

[illegible]

10.688 INVALID-ORDER-688 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1 + \frac{1}{L_1 s}}}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s + \frac{1}{R_L + \frac{1}{L_L s}}} \right)$

[illegible]

10.689 INVALID-ORDER-689 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1 + \frac{1}{L_1 s}}}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} + R_L \right)$

$$H(s) = \overline{C_1 C_2 C_L C_{gd}^2 L_1 L_2 L_L R_1 R_L r_o s^8 - C_1 C_2 C_L C_{gd} L_1 L_2 L_L R_1 R_L g_m r_o s^7 + C_1 C_2 C_L C_{gd} L_1 L_2 L_L R_1 R_L s^7 + C_1 C_2 C_L C_{gd} L_1 L_2 L_L R_1 R_L s^6}$$

10.690 INVALID-ORDER-690 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1 + \frac{1}{L_1 s}}}, L_2 s + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{R_L (L_L s + \frac{1}{C_L s})}{L_L s + R_L + \frac{1}{C_L s}} \right)$

[illegible]

10.691 INVALID-ORDER-691 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1} + \frac{1}{L_1 s}}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, R_L \right)$

[illegible]

10.692 INVALID-ORDER-692 $Z(s) = \left(\frac{1}{C_1 s + \frac{1}{R_1} + \frac{1}{L_1 s}}, L_2 s + R_2 + \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s} \right)$

[illegible]

10.804 INVALID-ORDER-804 $Z(s) = \left(\frac{R_1 \left(L_1 s + \frac{1}{C_1 s} \right)}{L_1 s + R_1 + \frac{1}{C_1 s}}, R_2, \infty, \infty, \infty, R_L + \frac{1}{C_L s} \right)$

[illegible]

10.805 INVALID-ORDER-805 $Z(s) = \left(\frac{R_1(L_1s + \frac{1}{C_1s})}{L_1s + R_1 + \frac{1}{C_1s}}, R_2, \infty, \infty, \infty, L_Ls + \frac{1}{C_Ls} \right)$

[illegible]

10.806 INVALID-ORDER-806 $Z(s) = \left(\frac{R_1 \left(L_1 s + \frac{1}{C_1 s} \right)}{L_1 s + R_1 + \frac{1}{C_1 s}}, R_2, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} \right)$

[illegible]

10.807 INVALID-ORDER-807 $Z(s) = \left(\frac{R_1(L_1s + \frac{1}{C_1s})}{L_1s + R_1 + \frac{1}{C_1s}}, R_2, \infty, \infty, \infty, L_Ls + R_L + \frac{1}{C_Ls} \right)$

[illegible]

10.808 INVALID-ORDER-808 $Z(s) = \left(\frac{R_1(L_1s + \frac{1}{C_1s})}{L_1s + R_1 + \frac{1}{C_1s}}, R_2, \infty, \infty, \infty, \frac{1}{C_Ls + \frac{1}{R_L + \frac{1}{L_Ls}}} \right)$

[illegible]

10.809 INVALID-ORDER-809 $Z(s) = \left(\frac{R_1 \left(L_1 s + \frac{1}{C_1 s} \right)}{L_1 s + R_1 + \frac{1}{C_1 s}}, R_2, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} + R_L \right)$

$$H(s) = -C_1 C_1 C_{g_0}^2 C_{g_0} L_1 L_1 L_1 R_1 R_2 R_1 r_{r,s}^{*2} s^6 + C_1 C_1 C_1 C_{g_0}^2 L_1 L_1 L_1 R_1 R_2 R_1 g_{m,r} s^{*2} s^6 + C_1 C_1 C_{g_0}^2 L_1 L_1 R_1 R_2 R_1 r_{r,s} s^6 - C_1 C_1 C_{g_0}^2 L_1 L_1 R_1 R_1 r_{r,s} s^6 + C_1 C_1 C_{g_0}^2 L_1 L_1 R_1 R_2 R_1 r_{r,s} s^6 + C_1 C_1 C_{g_0}^2 L_1 L_1 R_1 R_2 R_1 g_{m,r} s^{*2} s^6 + C_1 C_1 C_{g_0}^2 C_{g_0} L_1 L_1 L_1 R_1 R_2 R_1 r_{r,s} s^6 + C_1 C_1 C_{g_0}^2 C_{g_0} L_1 L_1 R_1 R_2 R_1 g_{m,r} s^{*2} s^6 - C_1 C_1 C_{g_0}^2 C_{g_0} L_1 L_1 R_1 R_2 R_1 r_{r,s} s^6 - C_1 C_1 C_{g_0}^2 C_{g_0} L_1 L_1 R_1 R_2 R_1 g_{m,r} s^{*2} s^6 - C_1 C_1 C_{g_0}^2 C_{g_0} L_1 L_1 R_1 R_2 R_1 g_{m,r} s^{*2} s^6 + C_1 C_1 C_{g_0}^2 L_1 L_1 R_1 R_2 R_1 g_{m,r} s^{*2} s^6 + 2 C_1 C_1 C_{g_0}^2 C_{g_0} L_1 L_1 R_1 R_2 R_1 g_{m,r} s^{*2} s^6 + C_1 C_1 C_{g_0}^2 L_1 L_1 R_1 R_2 R_1 r_{r,s} s^6 + 2 C_1 C_1 C_{g_0}^2 L_1 L_1 R_1 R_2 R_1 r_{r,s} s^6 + C_1 C_1 C_{g_0}^2 L_1 L_1 R_1 R_2 R_1 g_{m,r} s^{*2} s^6$$

10.810 INVALID-ORDER-810 $Z(s) = \left(\frac{R_1 \left(L_1 s + \frac{1}{C_1 s} \right)}{L_1 s + R_1 + \frac{1}{C_1 s}}, R_2, \infty, \infty, \infty, \frac{R_L \left(L_L s + \frac{1}{C_L s} \right)}{L_L s + R_L + \frac{1}{C_L s}} \right)$

[illegible]

10.811 INVALID-ORDER-811 $Z(s) = \left(\frac{R_1(L_1s + \frac{1}{C_1s})}{L_1s + R_1 + \frac{1}{C_1s}}, \frac{1}{C_2s}, \infty, \infty, \infty, R_L \right)$

[illegible]

10.812 INVALID-ORDER-812 $Z(s) = \left(\frac{R_1 \left(L_1 s + \frac{1}{C_1 s} \right)}{L_1 s + R_1 + \frac{1}{C_1 s}}, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s} \right)$

$$H(s) = -C_1C_2C_3C_{g0}L_1R_1r_{\sigma}s^6 - C_1C_2C_3L_1R_1L_1gm_{\sigma}r_{\sigma}s^4 - C_1C_2C_3^2L_1^2R_1r_{\sigma}s^5 - C_1C_2C_3C_{g0}C_{gs}L_1R_1R_1^2s^5 + C_1C_2C_{g0}L_1R_1gm_{\sigma}r_{\sigma}s^4 + C_1C_2C_{g0}L_1R_1r_{\sigma}s^3 + C_1C_2C_{gs}C_{gs}L_1R_1gm_{\sigma}r_{\sigma}s^4 - C_1C_2L_1R_1gm_{\sigma}r_{\sigma}s^2 + C_1C_1C_{g0}C_{gs}L_1R_1r_{\sigma}s^4 + C_1C_1C_{g0}C_{gs}L_1R_1^2s^4 + C_1C_1C_{g0}L_1R_1gm_{\sigma}r_{\sigma}s^4 - C_1C_1C_{g0}L_1R_1r_{\sigma}s^4 + 2C_1C_1C_{g0}L_1R_1gm_{\sigma}r_{\sigma}s^4 - C_1C_1C_{g0}L_1R_1r_{\sigma}s^4 + C_1C_1C_{g0}L_1R_1^2s^4 + C_1C_1C_{g0}L_1R_1r_{\sigma}s^4 + C_1C_1C_{g0}L_1R_1r_{\sigma}s^4 + C_1C_1C_{gs}L_1R_1gm_{\sigma}r_{\sigma}s^4 + C_1C_1C_{gs}L_1R_1r_{\sigma}s^4 + C_1C_1C_{gs}L_1R_1^2s^4 - C_1C_1L_1R_1g_{\sigma}^2r_{\sigma}s^3 - C_1C_1L_1R_1gm_{\sigma}s^3 - C_1C_1L_1gm_{\sigma}r_{\sigma}s^3 - C_1C_1R_1gm_{\sigma}r_{\sigma}s^2 + C_1C_1^2C_{gs}^2C_{gs}$$

10.813 INVALID-ORDER-813 $Z(s) = \left(\frac{R_1 \left(L_1 s + \frac{1}{C_1 s} \right)}{L_1 s + R_1 + \frac{1}{C_1 s}}, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{R_L}{C_L R_L s + 1} \right)$

[illegible]

10.814 INVALID-ORDER-814 $Z(s) = \left(\frac{R_1 \left(L_1 s + \frac{1}{C_1 s} \right)}{L_1 s + R_1 + \frac{1}{C_1 s}}, \frac{1}{C_2 s}, \infty, \infty, \infty, R_L + \frac{1}{C_L s} \right)$

[illegible]

10.815 INVALID-ORDER-815 $Z(s) = \left(\frac{R_1(L_1s + \frac{1}{C_1s})}{L_1s + R_1 + \frac{1}{C_1s}}, \frac{1}{C_2s}, \infty, \infty, \infty, L_Ls + \frac{1}{C_Ls} \right)$

[illegible]

10.816 INVALID-ORDER-816 $Z(s) = \left(\frac{R_1 \left(L_1 s + \frac{1}{C_1 s} \right)}{L_1 s + R_1 + \frac{1}{C_1 s}}, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} \right)$

[illegible]

10.817 INVALID-ORDER-817 $Z(s) = \left(\frac{R_1 \left(L_1 s + \frac{1}{C_1 s} \right)}{L_1 s + R_1 + \frac{1}{C_1 s}}, \frac{1}{C_2 s}, \infty, \infty, \infty, L_L s + R_L + \frac{1}{C_L s} \right)$

[illegible]

10.818 INVALID-ORDER-818 $Z(s) = \left(\frac{R_1 \left(L_1 s + \frac{1}{C_1 s} \right)}{L_1 s + R_1 + \frac{1}{C_1 s}}, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}} \right)$

[illegible]

10.819 INVALID-ORDER-819 $Z(s) = \left(\frac{R_1 \left(L_1 s + \frac{1}{C_1 s} \right)}{L_1 s + R_1 + \frac{1}{C_1 s}}, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{L_L s}{C_L L_L s^2 + 1} + R_L \right)$

$$H(s) = -C_1C_2C_3C_4C_5L_1L_2L_3R_1R_2R_3R_4R_5R_6R_7R_8R_9R_{10}R_{11}R_{12}R_{13}R_{14}R_{15}R_{16}R_{17}R_{18}R_{19}R_{20}R_{21}R_{22}R_{23}R_{24}R_{25}R_{26}R_{27}R_{28}R_{29}R_{30}R_{31}R_{32}R_{33}R_{34}R_{35}R_{36}R_{37}R_{38}R_{39}R_{40}R_{41}R_{42}R_{43}R_{44}R_{45}R_{46}R_{47}R_{48}R_{49}R_{50}R_{51}R_{52}R_{53}R_{54}R_{55}R_{56}R_{57}R_{58}R_{59}R_{60}R_{61}R_{62}R_{63}R_{64}R_{65}R_{66}R_{67}R_{68}R_{69}R_{70}R_{71}R_{72}R_{73}R_{74}R_{75}R_{76}R_{77}R_{78}R_{79}R_{80}R_{81}R_{82}R_{83}R_{84}R_{85}R_{86}R_{87}R_{88}R_{89}R_{90}R_{91}R_{92}R_{93}R_{94}R_{95}R_{96}R_{97}R_{98}R_{99}R_{100}R_{101}R_{102}R_{103}R_{104}R_{105}R_{106}R_{107}R_{108}R_{109}R_{110}R_{111}R_{112}R_{113}R_{114}R_{115}R_{116}R_{117}R_{118}R_{119}R_{120}R_{121}R_{122}R_{123}R_{124}R_{125}R_{126}R_{127}R_{128}R_{129}R_{130}R_{131}R_{132}R_{133}R_{134}R_{135}R_{136}R_{137}R_{138}R_{139}R_{140}R_{141}R_{142}R_{143}R_{144}R_{145}R_{146}R_{147}R_{148}R_{149}R_{150}R_{151}R_{152}R_{153}R_{154}R_{155}R_{156}R_{157}R_{158}R_{159}R_{160}R_{161}R_{162}R_{163}R_{164}R_{165}R_{166}R_{167}R_{168}R_{169}R_{170}R_{171}R_{172}R_{173}R_{174}R_{175}R_{176}R_{177}R_{178}R_{179}R_{180}R_{181}R_{182}R_{183}R_{184}R_{185}R_{186}R_{187}R_{188}R_{189}R_{190}R_{191}R_{192}R_{193}R_{194}R_{195}R_{196}R_{197}R_{198}R_{199}R_{200}R_{201}R_{202}R_{203}R_{204}R_{205}R_{206}R_{207}R_{208}R_{209}R_{210}R_{211}R_{212}R_{213}R_{214}R_{215}R_{216}R_{217}R_{218}R_{219}R_{220}R_{221}R_{222}R_{223}R_{224}R_{225}R_{226}R_{227}R_{228}R_{229}R_{230}R_{231}R_{232}R_{233}R_{234}R_{235}R_{236}R_{237}R_{238}R_{239}R_{240}R_{241}R_{242}R_{243}R_{244}R_{245}R_{246}R_{247}R_{248}R_{249}R_{250}R_{251}R_{252}R_{253}R_{254}R_{255}R_{256}R_{257}R_{258}R_{259}R_{260}R_{261}R_{262}R_{263}R_{264}R_{265}R_{266}R_{267}R_{268}R_{269}R_{270}R_{271}R_{272}R_{273}R_{274}R_{275}R_{276}R_{277}R_{278}R_{279}R_{280}R_{281}R_{282}R_{283}R_{284}R_{285}R_{286}R_{287}R_{288}R_{289}R_{290}R_{291}R_{292}R_{293}R_{294}R_{295}R_{296}R_{297}R_{298}R_{299}R_{300}R_{301}R_{302}R_{303}R_{304}R_{305}R_{306}R_{307}R_{308}R_{309}R_{310}R_{311}R_{312}R_{313}R_{314}R_{315}R_{316}R_{317}R_{318}R_{319}R_{320}R_{321}R_{322}R_{323}R_{324}R_{325}R_{326}R_{327}R_{328}R_{329}R_{330}R_{331}R_{332}R_{333}R_{334}R_{335}R_{336}R_{337}R_{338}R_{339}R_{340}R_{341}R_{342}R_{343}R_{344}R_{345}R_{346}R_{347}R_{348}R_{349}R_{350}R_{351}R_{352}R_{353}R_{354}R_{355}R_{356}R_{357}R_{358}R_{359}R_{360}R_{361}R_{362}R_{363}R_{364}R_{365}R_{366}R_{367}R_{368}R_{369}R_{370}R_{371}R_{372}R_{373}R_{374}R_{375}R_{376}R_{377}R_{378}R_{379}R_{380}R_{381}R_{382}R_{383}R_{384}R_{385}R_{386}R_{387}R_{388}R_{389}R_{390}R_{391}R_{392}R_{393}R_{394}R_{395}R_{396}R_{397}R_{398}R_{399}R_{400}R_{401}R_{402}R_{403}R_{404}R_{405}R_{406}R_{407}R_{408}R_{409}R_{410}R_{411}R_{412}R_{413}R_{414}R_{415}R_{416}R_{417}R_{418}R_{419}R_{420}R_{421}R_{422}R_{423}R_{424}R_{425}R_{426}R_{427}R_{428}R_{429}R_{430}R_{431}R_{432}R_{433}R_{434}R_{435}R_{436}R_{437}R_{438}R_{439}R_{440}R_{441}R_{442}R_{443}R_{444}R_{445}R_{446}R_{447}R_{448}R_{449}R_{450}R_{451}R_{452}R_{453}R_{454}R_{455}R_{456}R_{457}R_{458}R_{459}R_{460}R_{461}R_{462}R_{463}R_{464}R_{465}R_{466}R_{467}R_{468}R_{469}R_{470}R_{471}R_{472}R_{473}R_{474}R_{475}R_{476}R_{477}R_{478}R_{479}R_{480}R_{481}R_{482}R_{483}R_{484}R_{485}R_{486}R_{487}R_{488}R_{489}R_{490}R_{491}R_{492}R_{493}R_{494}R_{495}R_{496}R_{497}R_{498}R_{499}R_{500}R_{501}R_{502}R_{503}R_{504}R_{505}R_{506}R_{507}R_{508}R_{509}R_{510}R_{511}R_{512}R_{513}R_{514}R_{515}R_{516}R_{517}R_{518}R_{519}R_{520}R_{521}R_{522}R_{523}R_{524}R_{525}R_{526}R_{527}R_{528}R_{529}R_{530}R_{531}R_{532}R_{533}R_{534}R_{535}R_{536}R_{537}R_{538}R_{539}R_{540}R_{541}R_{542}R_{543}R_{544}R_{545}R_{546}R_{547}R_{548}R_{549}R_{550}R_{551}R_{552}R_{553}R_{554}R_{555}R_{556}R_{557}R_{558}R_{559}R_{560}R_{561}R_{562}R_{563}R_{564}R_{565}R_{566}R_{567}R_{568}R_{569}R_{570}R_{571}R_{572}R_{573}R_{574}R_{575}R_{576}R_{577}R_{578}R_{579}R_{580}R_{581}R_{582}R_{583}R_{584}R_{585}R_{586}R_{587}R_{588}R_{589}R_{590}R_{591}R_{592}R_{593}R_{594}R_{595}R_{596}R_{597}R_{598}R_{599}R_{600}R_{601}R_{602}R_{603}R_{604}R_{605}R_{606}R_{607}R_{608}R_{609}R_{610}R_{611}R_{612}R_{613}R_{614}R_{615}R_{616}R_{617}R_{618}R_{619}R_{620}R_{621}R_{622}R_{623}R_{624}R_{625}R_{626}R_{627}R_{628}R_{629}R_{630}R_{631}R_{632}R_{633}R_{634}R_{635}R_{636}R_{637}R_{638}R_{639}R_{640}R_{641}R_{642}R_{643}R_{644}R_{645}R_{646}R_{647}R_{648}R_{649}R_{650}R_{651}R_{652}R_{653}R_{654}R_{655}R_{656}R_{657}R_{658}R_{659}R_{660}R_{661}R_{662}R_{663}R_{664}R_{665}R_{666}R_{667}R_{668}R_{669}R_{670}R_{671}R_{672}R_{673}R_{674}R_{675}R_{676}R_{677}R_{678}R_{679}R_{680}R_{681}R_{682}R_{683}R_{684}R_{685}R_{686}R_{687}R_{688}R_{689}R_{690}R_{691}R_{692}R_{693}R_{694}R_{695}R_{696}R_{$$

10.820 INVALID-ORDER-820 $Z(s) = \left(\frac{R_1 \left(L_1 s + \frac{1}{C_1 s} \right)}{L_1 s + R_1 + \frac{1}{C_1 s}}, \frac{1}{C_2 s}, \infty, \infty, \infty, \frac{R_L \left(L_L s + \frac{1}{C_L s} \right)}{L_L s + R_L + \frac{1}{C_L s}} \right)$

[illegible]

10.821 INVALID-ORDER-821 $Z(s) = \left(\frac{R_1 \left(L_1 s + \frac{1}{C_1 s} \right)}{L_1 s + R_1 + \frac{1}{C_1 s}}, \frac{R_2}{C_2 R_2 s + 1}, \infty, \infty, \infty, R_L \right)$

[illegible]

