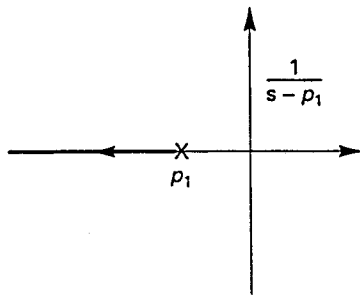


VARIOUS ROOT LOCUS PLOTS

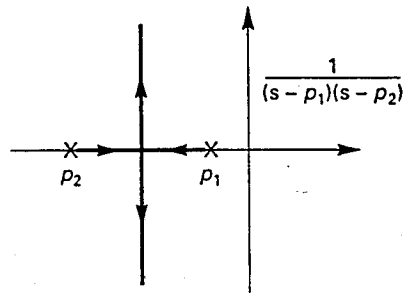
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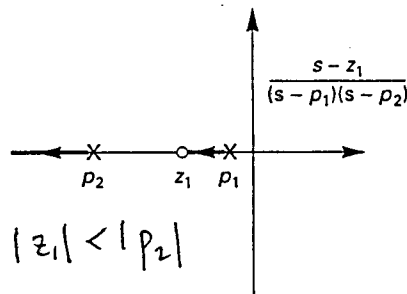
TABLE 7.6



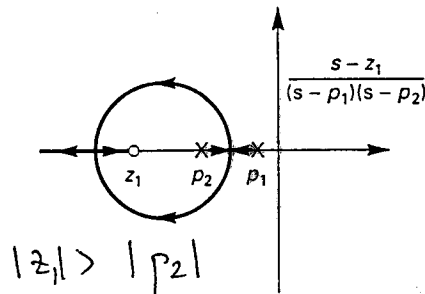
(a)



(b)

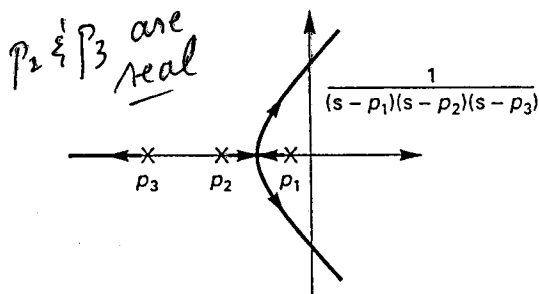


(c)

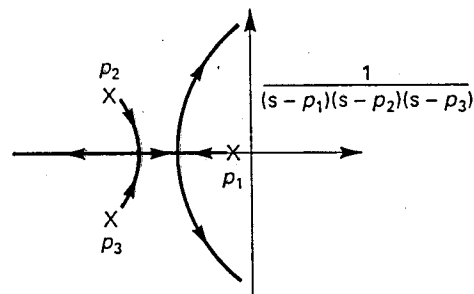


(d)

NOTE:
OLTF ZEROS
ATTRACT THE
ROOT LOCUS;
OLTF POLES
REPEL THE
ROOT LOCUS

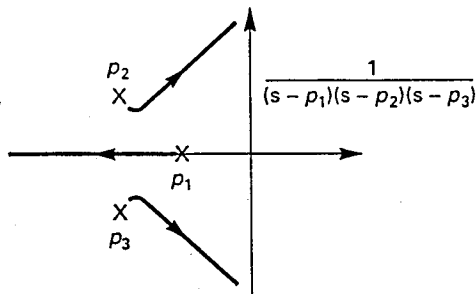


(e)

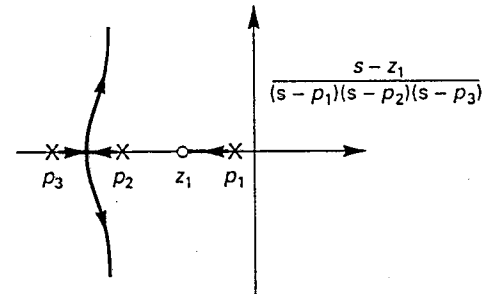


(f)

**NO BREAKAWAY
OR RE-ENTRY
POINTS
TO REAL
AXIS**



(g)



(h)

NOTE THAT EVEN THOUGH (f) & (g) HAVE 2 COMPLEX CONJUGATE POLES (p_2 & p_3) & ONE REAL POLE (p_1), THEIR ROOT LOCI ARE QUITE DIFFERENT