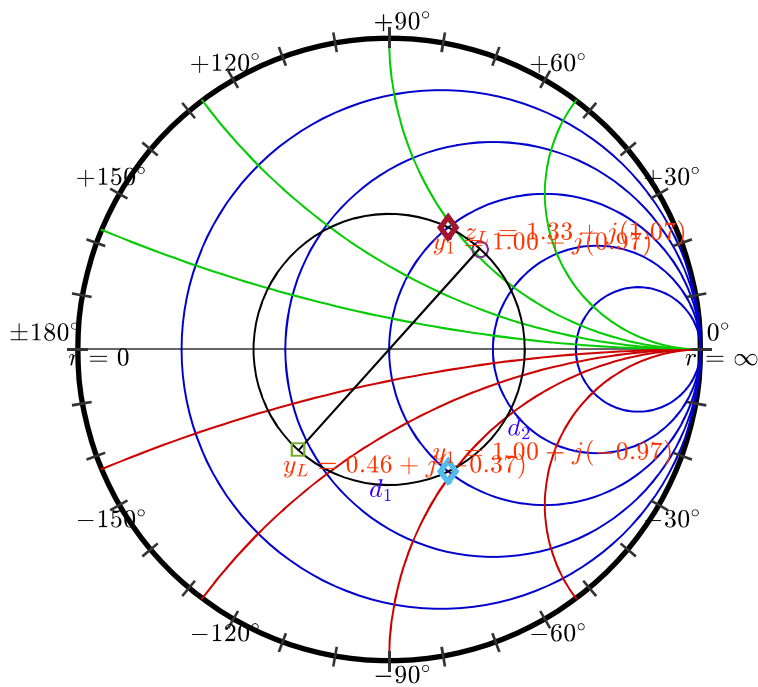7.1 <u>With Single open shunt stub</u> Using the Smith chart as follows:

d1=0.4059, l1=0.1224, d2=0.2276, l2=0.3776
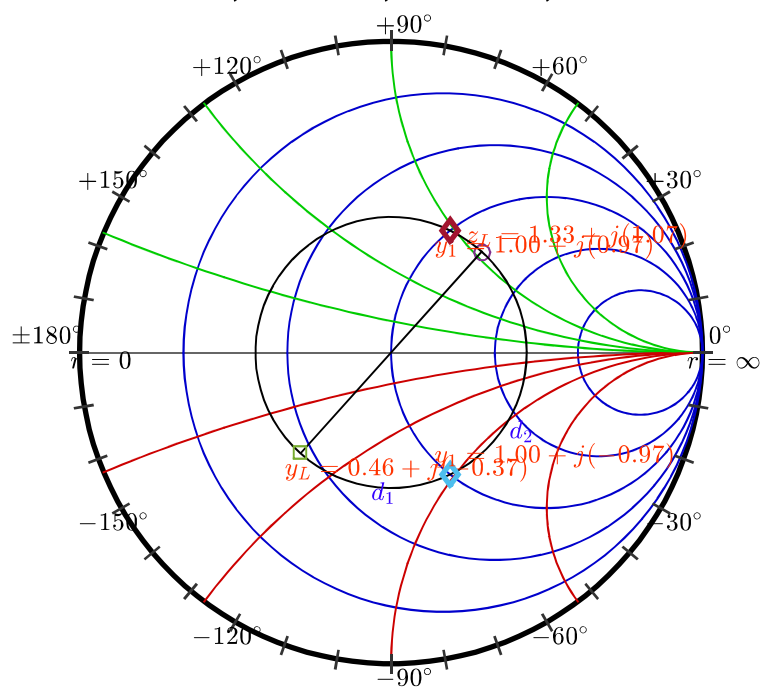

it can be found that the solutions are:

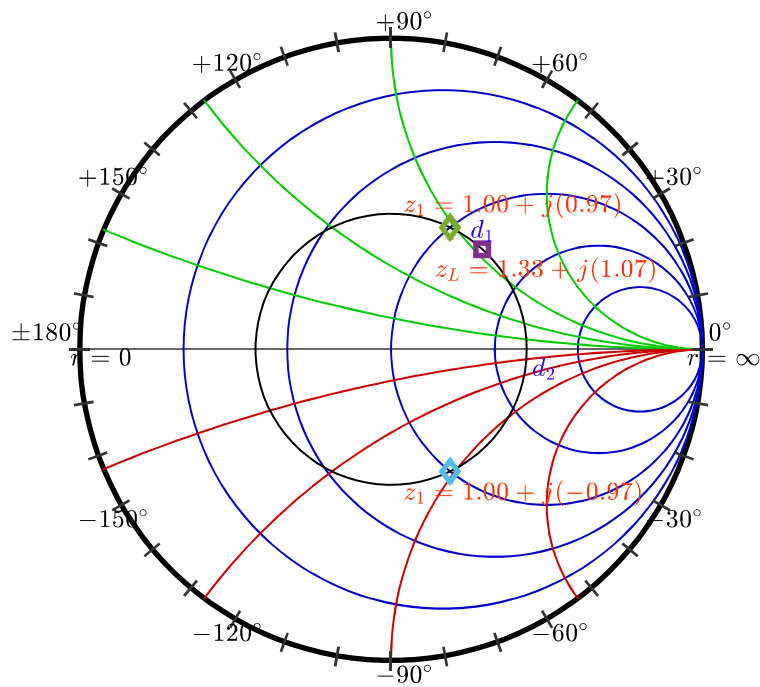$d_1=0.4059\lambda$, $l_1=0.1224\lambda$, and $d_2=0.2276\lambda$, $l_2=0.3776\lambda$

7.2 Using short stub yields

d1=0.4059, l1=0.3724, d2=0.2276, l2=0.1276

7.3 Open series stub

d1=0.4776, l1=0.1276, d2=0.1559, l2=0.3724

Short series stub

d1=0.4776, l1=0.3776, d2=0.1559, l2=0.1224