.param P1={log(2*L/r)/log(10)}
.param C_A={2*12.0674*L*1p/(P1-0.7245)}
.param C_p={4p*L*(0.89075/(P1^0.8006-0.861)-0.02541)}
.param L_p={0.1u*L*((1.4813*P1)^1.012-0.6188)}
.param R_p={1k*(0.41288*P1^2+7.4075*(2*L/r)^-0.02389-7.27408)}
.param L=0.4 r=0.002