Case 1 fixing the phase

e = I1 – I2 > 0

f = f0 + df(e)

e = I1 – I2 = 0

f = f0

e = I1 – I2 < 0

f = f0 – df(e)

e1 = I1 – I2 > 0

f = f0 + df(e1)

e2 = I1 – I2 < 0

f = f0 – df(e2)

e3 = I1 – I2 < 0

f = f0 – df(e3)

e4 = I1 – I2 < 0

f = f0 – df(e4)

e1 = I1 – I2 = 0

f = f0 + df

e1 = I1 – I2 = 0

f = f0 + df

e1 = I1 – I2 = 0

f = f0 + df

e1 = I1 – I2 = 0

f = f0 + df

fi = 2.2

fo = f0 + df = 2 + 0.2 (error = 0)

e1 = I1 – I2 = 0

f = f0 + df

e1 = I1 – I2 = 0

f = f0 + df

e1 = I1 – I2 = 0

f = f0 + df

e1 = I1 – I2 = 0

f = f0 + df

fi = 2.2

fo = f0 + df = 2 + 0.2 (error = 0)

e1 = I1 – I2 = 0

f = f0 + df