$$with(plots, implicitplot) : implicitplot\left(\left[\left[\frac{1}{Rs\,(Rs+Rsh)}\left(-a\,Vt\,(Rs+Rsh)\,\text{LambertW}\left(\frac{Io\,Rs\,Rsh\,\mathrm{e}^{\frac{Rsh\,Io\,Rs}{a\,Vt\,(Rs+Rsh)}}\,\mathrm{e}^{\frac{Rsh\,Iph\,Rs}{a\,Vt\,(Rs+Rsh)}}}{a\,Vt\,(Rs+Rsh)}\right)+Rs\,Rsh\,(Io+Iph)\right)\right.\right.$$

$$= Isc,$$

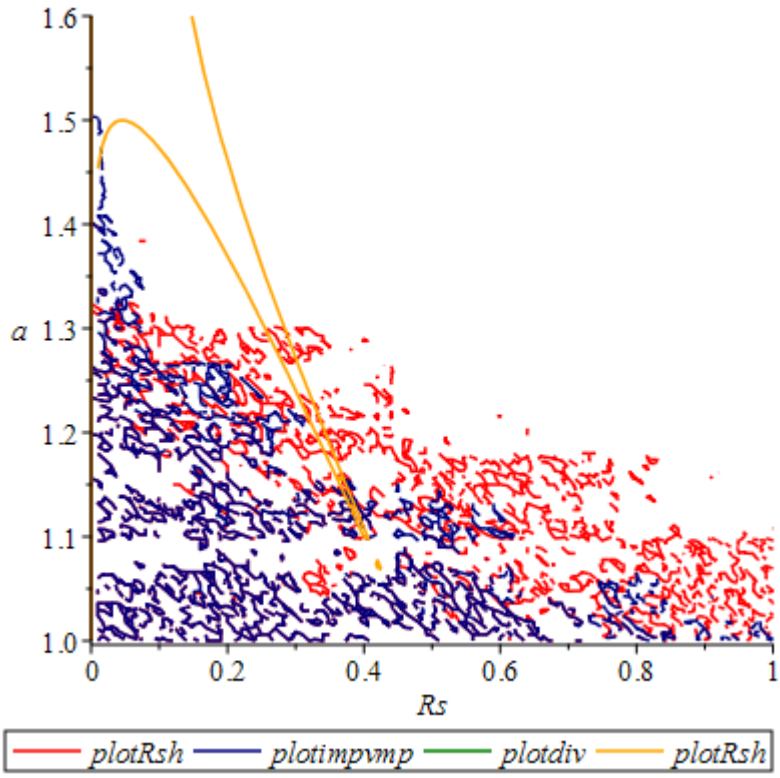
$$\frac{-a\,Vt\,(Rs+Rsh)\left(\frac{Io\,Rs\,Rsh\,\mathrm{e}^{\frac{Rsh\,Io\,Rs}{a\,Vt\,(Rs+Rsh)}}\,\mathrm{e}^{\frac{Rsh\,Iph\,Rs}{a\,Vt\,(Rs+Rsh)}}}{a\,Vt\,(Rs+Rsh)}\right)+Rs\,Rsh\,(Io+Iph)}{Rs\,(Rs+Rsh)}$$

$$= Isc,\ \frac{Rsh\,(Io+Iph)}{(Rs+Rsh)} = Isc, -\frac{\frac{Rsh\,\text{LambertW}\left(\frac{Io\,Rs\,Rsh\,\mathrm{e}^{\frac{(Io+Iph)\,Rs\,Rsh}{a\,Vt\,(Rs+Rsh)}}}{a\,Vt\,(Rs+Rsh)}\right)}{1+\text{LambertW}\left(\frac{Io\,Rs\,Rsh\,\mathrm{e}^{\frac{(Io+Iph)\,Rs\,Rsh}{a\,Vt\,(Rs+Rsh)}}}{a\,Vt\,(Rs+Rsh)}\right)}+Rs}{(Rs+Rsh)\,Rs} =$$

$$-\frac{1}{Rsh}, \left.\left.\right], Rs = 0..1, a = 1..1.6, gridrefine = 2, crossingrefine = 2, resolution = 1000,$$

$$rational, resultant = stable, color = [\text{"Red"}, \text{"NavyBlue"}, \text{"Green"}, \text{"Orange"}], legend$$

$$= [plotRsh, plotimpvmp, plotdiv]\Bigg)$$


1.6
1.5
1.4
a 1.3
1.2
1.1
1.0
0
0.2
0.4
0.6
0.8
1
Rs
plotRsh
plotimpvmp
plotdiv
plotRsh