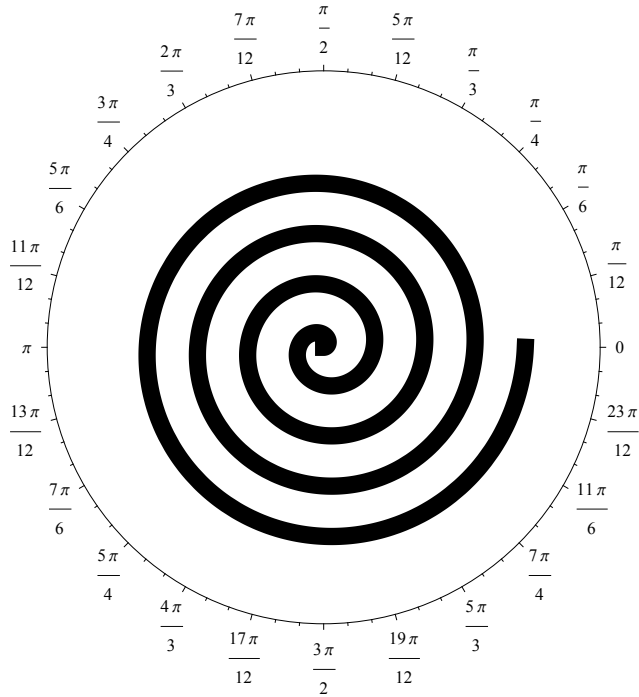
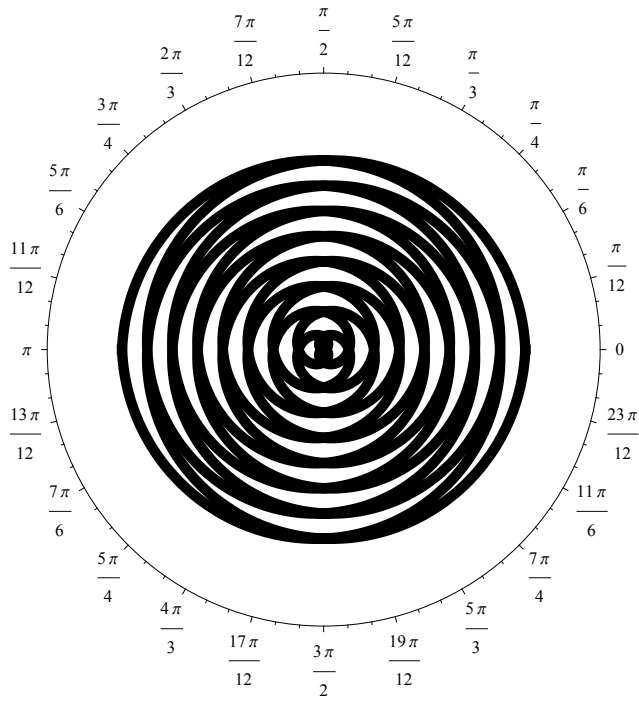
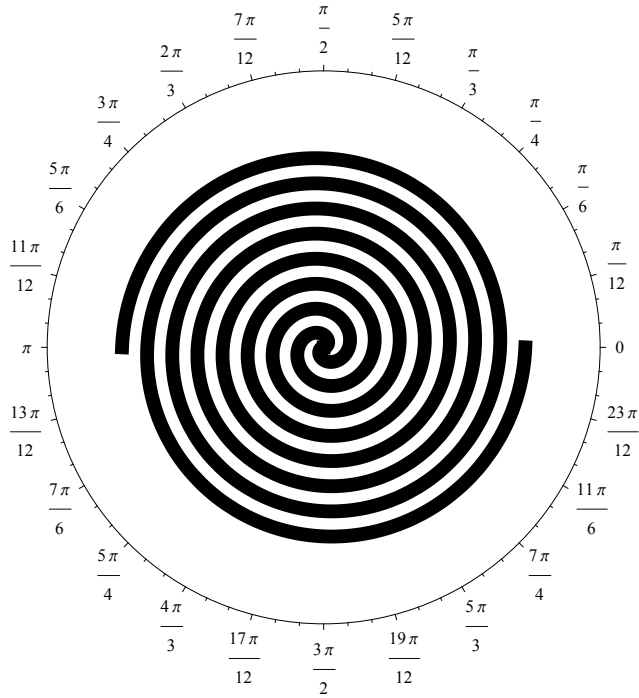


```
PolarPlot[{t}, {t, 0, 8 Pi},
  PlotStyle -> {Black, Thickness[.025]}, PolarAxes -> Automatic]
PolarPlot[{-t, t}, {t, 0, 8 Pi}, PlotStyle ->
  {{Black, Thickness[.02]}, {Black, Thickness[.02]}}, PolarAxes -> Automatic]
PolarPlot[{-t, t}, {t, -8 Pi, 8 Pi}, PlotStyle ->
  {{Black, Thickness[.015]}, {Black, Thickness[.015]}}, PolarAxes -> Automatic]
```

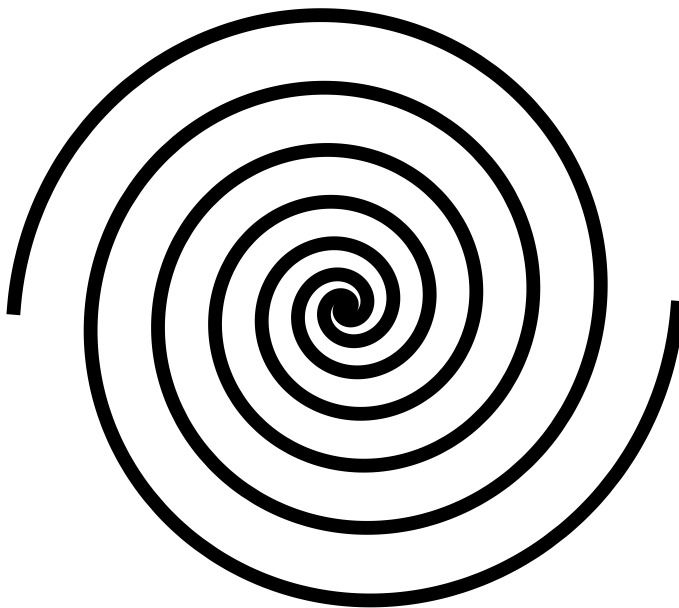
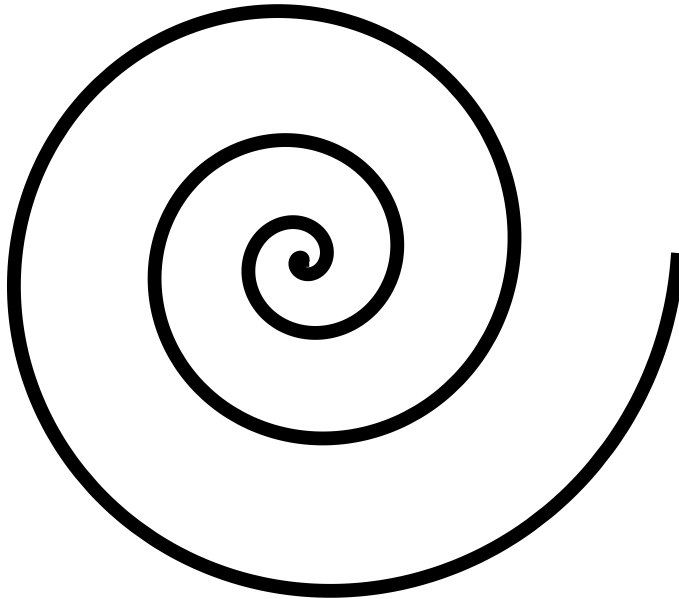


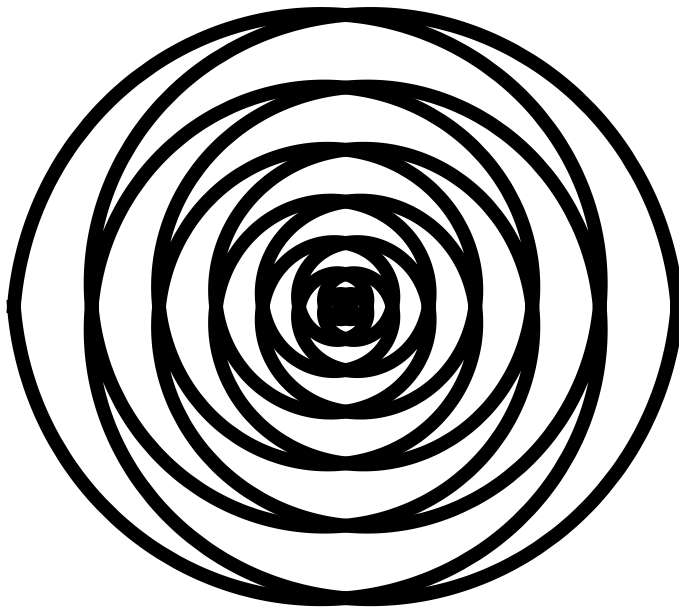


```

archimx[t_] = t^(2) Cos[t];
archimy[t_] = t^(2) Sin[t];
archimnorm = ParametricPlot[{archimx[t], archimy[t]},
  {t, 0, 8 Pi}, PlotStyle -> {Black, Thickness[.02]}, Axes -> False]
archimdouble = ParametricPlot[{archimx[t], archimy[t]},
  {-archimx[t], -archimy[t]}, {t, 0, 8 Pi},
  PlotStyle -> {{Black, Thickness[.02]}, {Black, Thickness[.02]}}, Axes -> False]
archimreverse = ParametricPlot[{archimx[t], archimy[t]},
  {-archimx[t], -archimy[t]}, {t, -8 Pi, 8 Pi},
  PlotStyle -> {{Black, Thickness[.02]}, {Black, Thickness[.02]}}, Axes -> False]

```

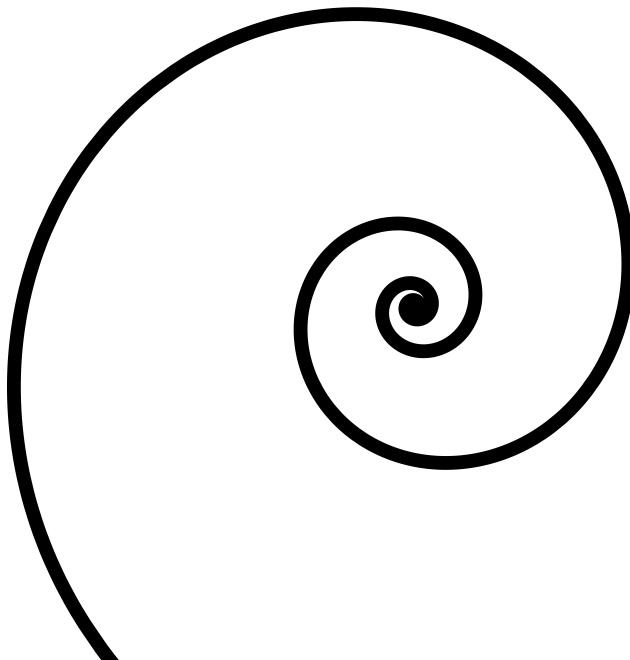


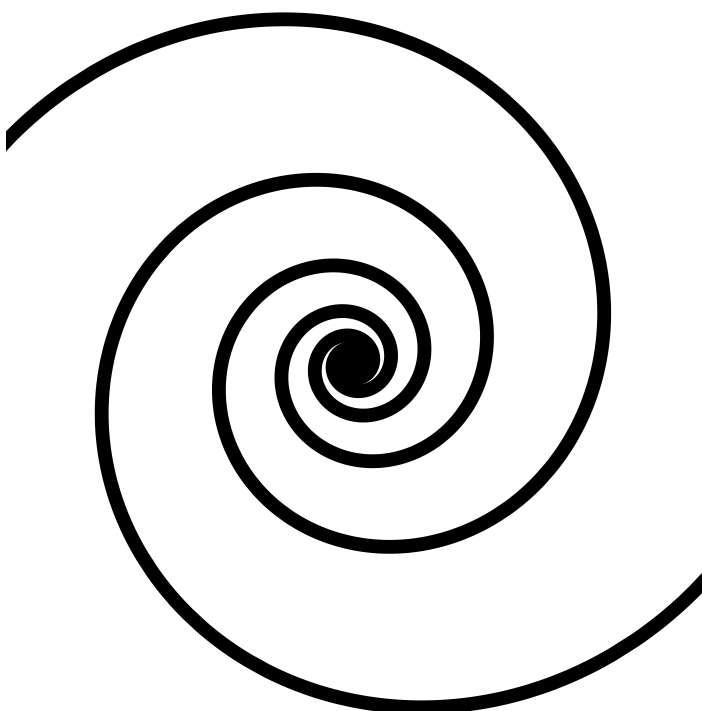
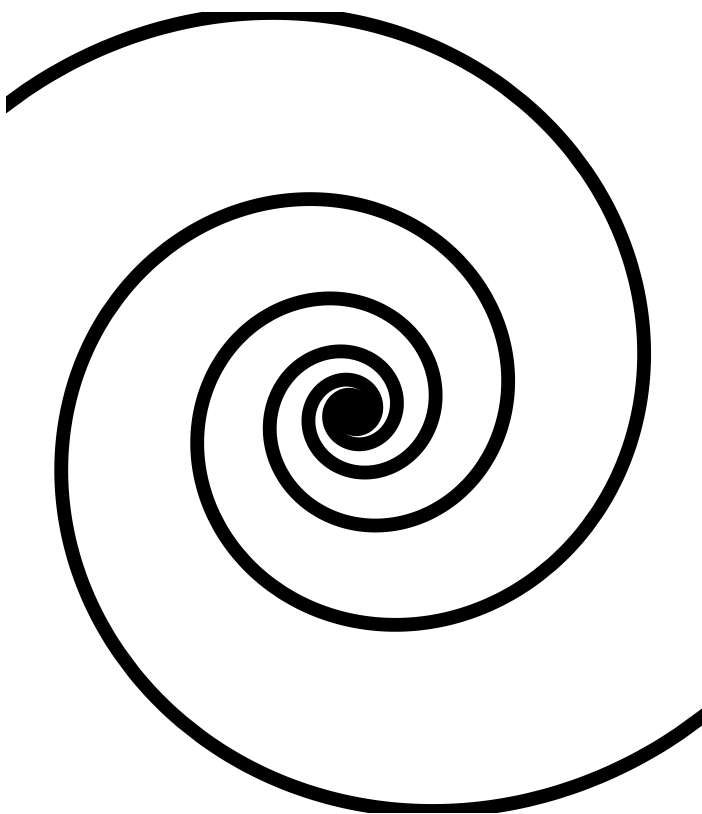


```

logx[t_] = Exp[.2 t] * Cos[t];
logy[t_] = Exp[.2 t] * Sin[t];
lognorm = ParametricPlot[{logx[t], logy[t]},
  {t, 0, 8 Pi}, PlotStyle -> {Black, Thickness[.02]}, Axes -> False]
logdouble = ParametricPlot[{{logx[t], logy[t]}, {-logx[t], -logy[t]}}, {t, 0, 8 Pi},
  PlotStyle -> {{Black, Thickness[.02]}, {Black, Thickness[.02]}}, Axes -> False]
logreverse = ParametricPlot[{{logx[t], logy[t]}, {-logx[t], -logy[t]}},
  {t, -8 Pi, 8 Pi},
  PlotStyle -> {{Black, Thickness[.02]}, {Black, Thickness[.02]}}, Axes -> False]

```

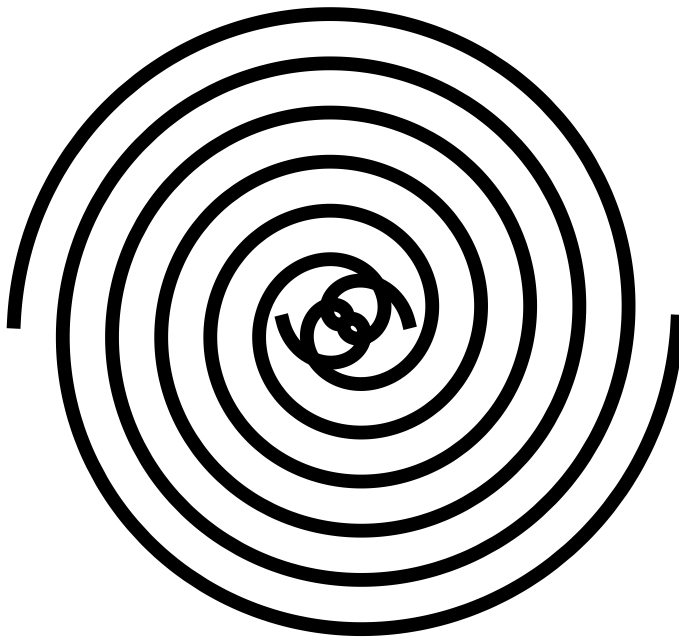
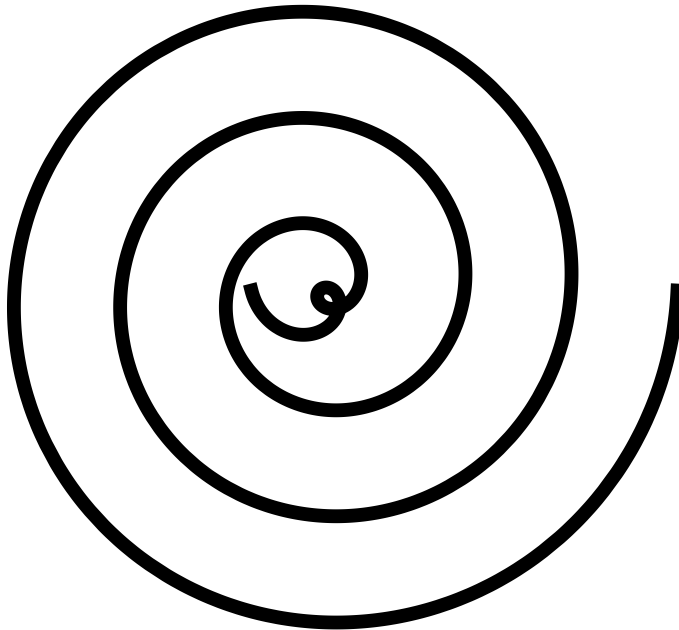


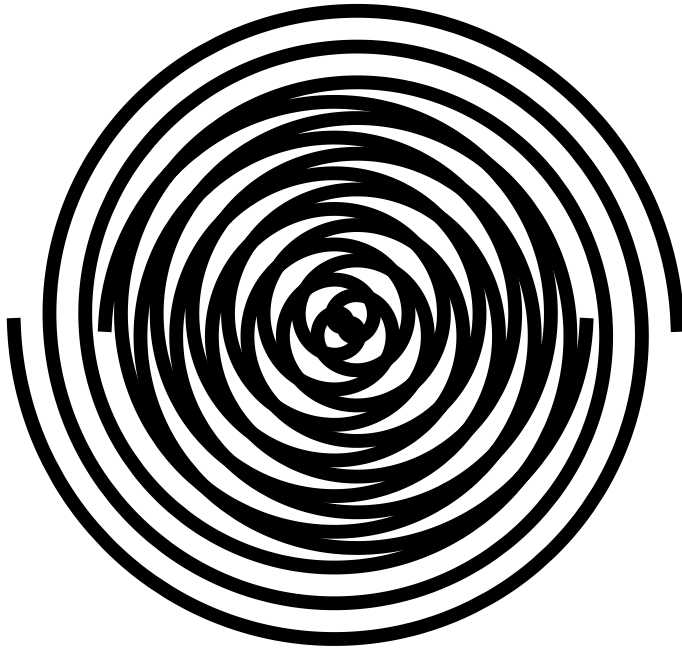


```

neiodx[t_] = (t / 2 - 2) Cos[t];
neiody[t_] = (t / 2 - 2) * Sin[t];
neiodnorm = ParametricPlot[{neiodx[t], neiody[t]},
  {t, 0, 8 Pi}, PlotStyle -> {Black, Thickness[.02]}, Axes -> False]
neioddouble = ParametricPlot[{{neiodx[t], neiody[t]},
  {-neiodx[t], -neiody[t]}}, {t, 0, 8 Pi},
  PlotStyle -> {{Black, Thickness[.02]}, {Black, Thickness[.02]}}, Axes -> False]
neiodreverse = ParametricPlot[{{neiodx[t], neiody[t]},
  {-neiodx[t], -neiody[t]}}, {t, -8 Pi, 8 Pi},
  PlotStyle -> {{Black, Thickness[.02]}, {Black, Thickness[.02]}}, Axes -> False]

```

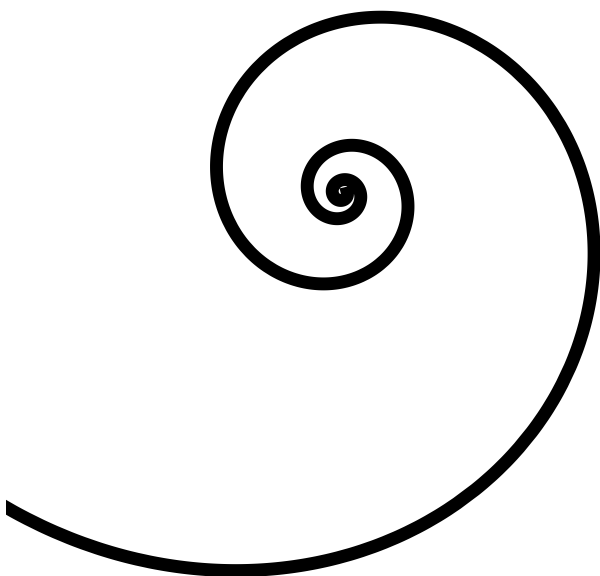




```

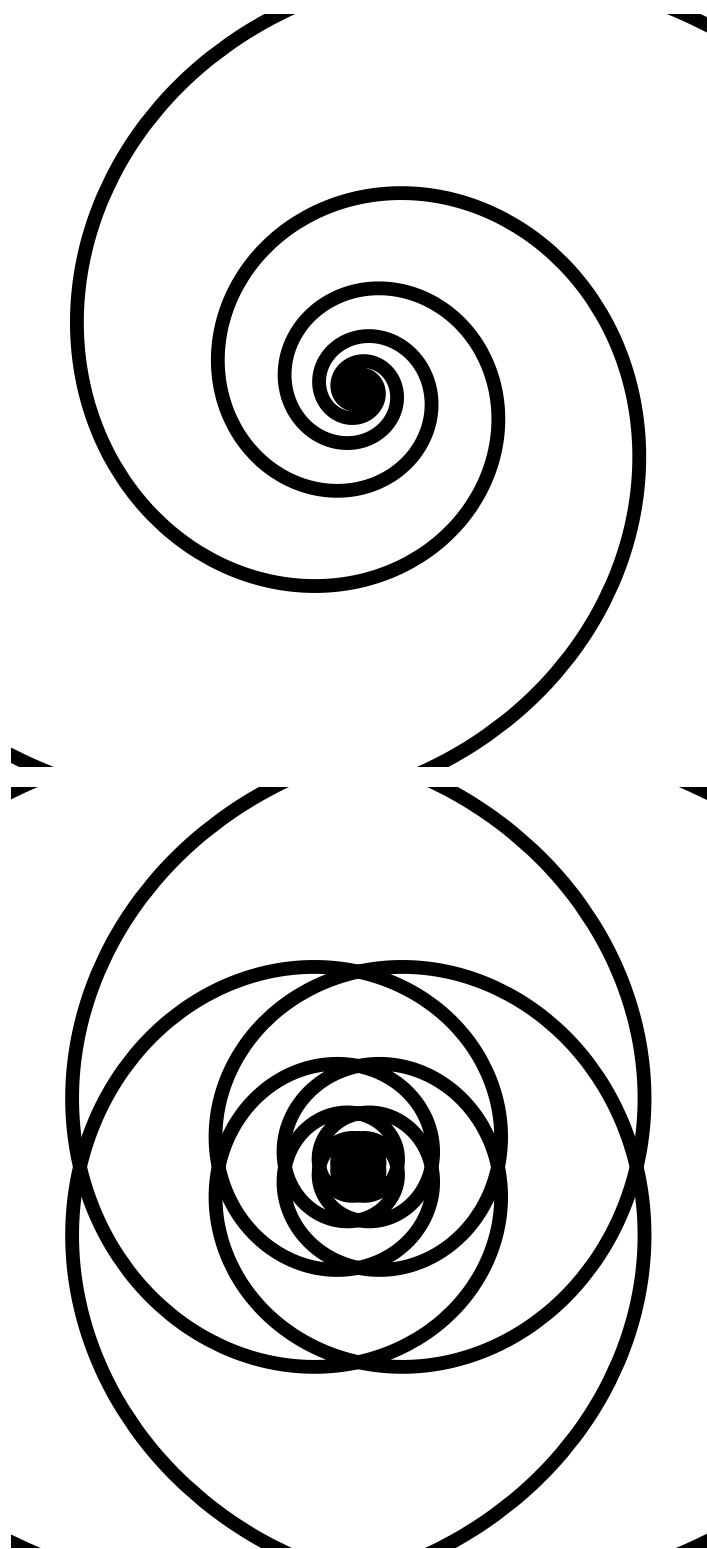
pcschx[t_] = Csch[t / 5] Cos[t];
pcschy[t_] = Csch[t / 5] * Sin[t];
pcschnorm = ParametricPlot[{pcschx[t], pcschy[t]},
  {t, 0, 8 Pi}, PlotStyle -> {Black, Thickness[.02]}, Axes -> False]
pcschdouble = ParametricPlot[{{pcschx[t], pcschy[t]},
  {-pcschx[t], -pcschy[t]}}, {t, 0, 8 Pi},
  PlotStyle -> {{Black, Thickness[.02]}, {Black, Thickness[.02]}}, Axes -> False]
pcschreverse = ParametricPlot[{{pcschx[t], pcschy[t]},
  {-pcschx[t], -pcschy[t]}}, {t, -8 Pi, 8 Pi},
  PlotStyle -> {{Black, Thickness[.02]}, {Black, Thickness[.02]}}, Axes -> False]

```



Infinity::indet : Indeterminate expression 0. ComplexInfinity encountered. >>

Infinity::indet : Indeterminate expression 0. ComplexInfinity encountered. >>



```

psechx[t_] = Sech[t / 5] Cos[t];
psechy[t_] = Sech[t / 5] * Sin[t];
psechnorm = ParametricPlot[{psechx[t], psechy[t]},
  {t, 0, 8 Pi}, PlotStyle -> {Black, Thickness[.02]}, Axes -> False]
psechdouble = ParametricPlot[{psechx[t], psechy[t]},
  {-psechx[t], -psechy[t]}, {t, 0, 8 Pi},
  PlotStyle -> {{Black, Thickness[.02]}, {Black, Thickness[.02]}}, Axes -> False]
psechreverse = ParametricPlot[{psechx[t], psechy[t]},
  {-psechx[t], -psechy[t]}, {t, -8 Pi, 8 Pi},
  PlotStyle -> {{Black, Thickness[.02]}, {Black, Thickness[.02]}}, Axes -> False]

```

