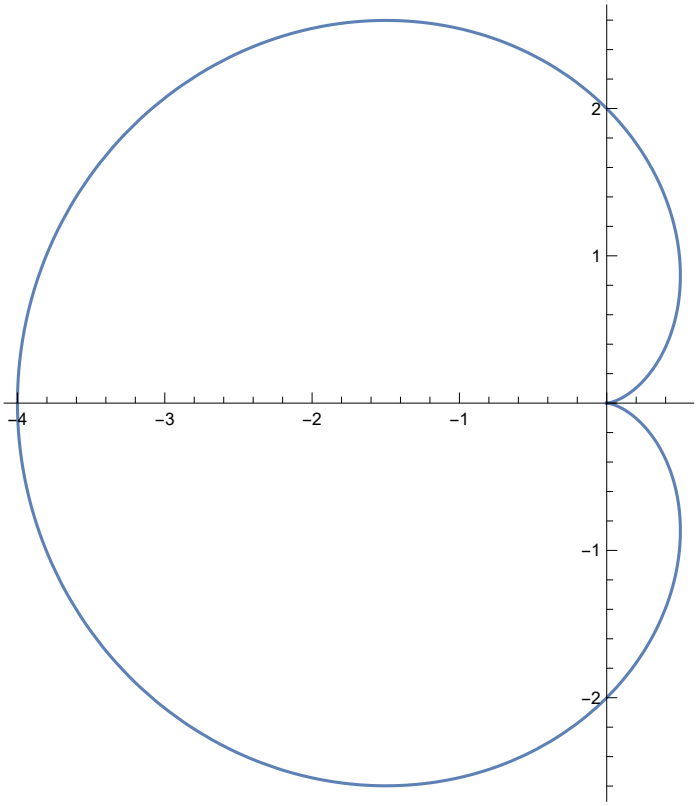
心形线

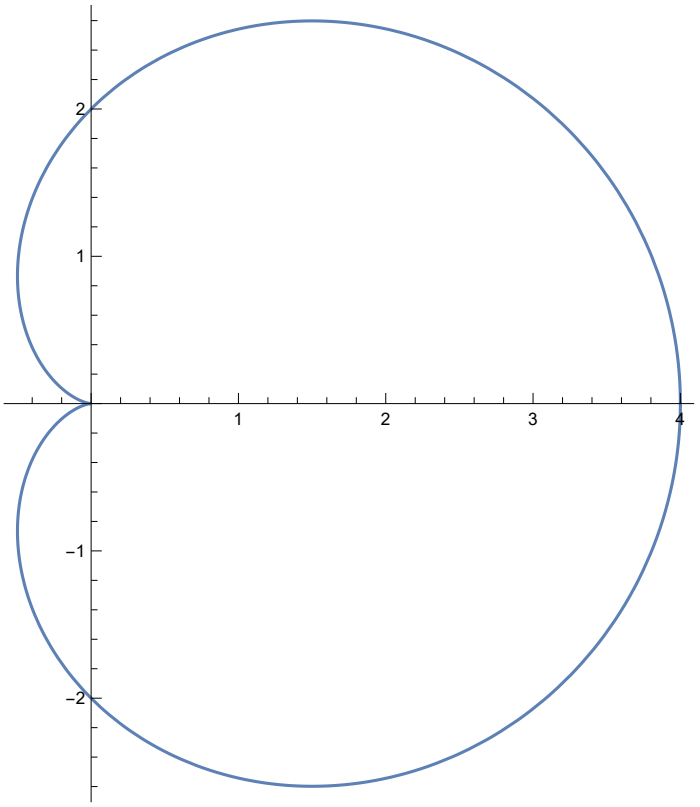
```
In[ ]:= PolarPlot[2 (1 - Cos[t]), {t, 0, 2 π}]
        极坐标图          余弦
```

Out[ ]=



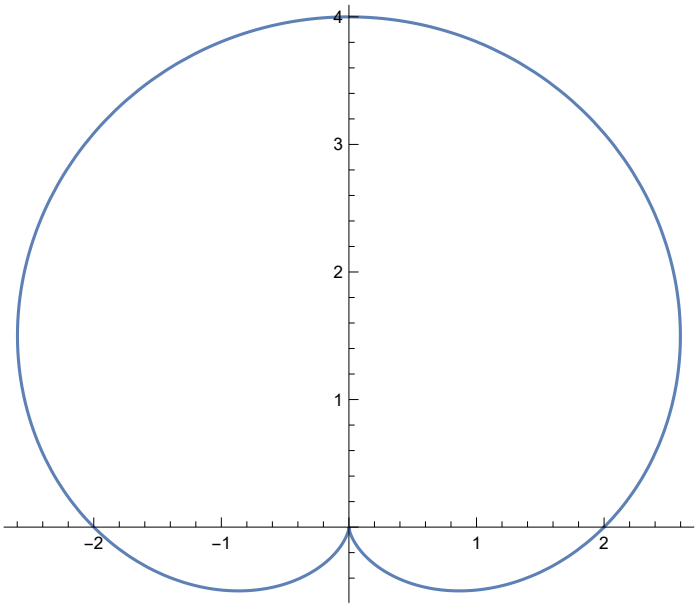
In[ ]:=
```
PolarPlot[2 (1 + Cos[t]), {t, 0, 2 π}]
```
极坐标图 余弦

Out[ ]=



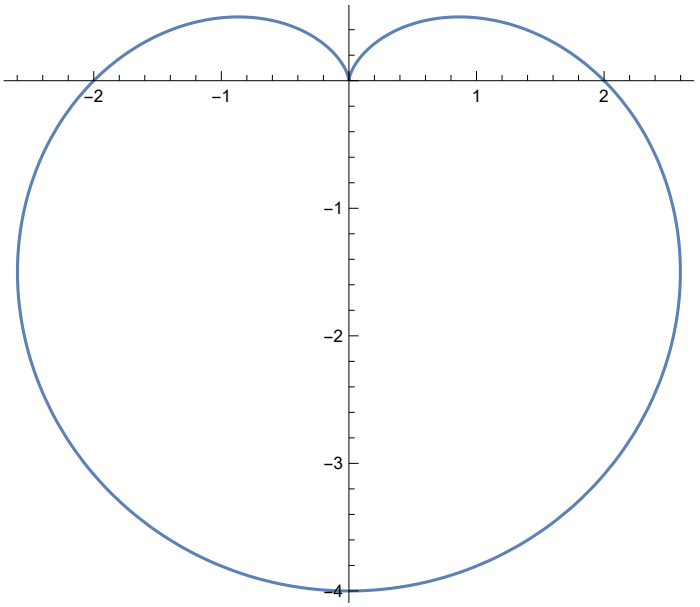
In[ ]:=
```
PolarPlot[2 (1 + Sin[t]), {t, 0, 2 π}]
```
极坐标图 正弦

Out[ ]=



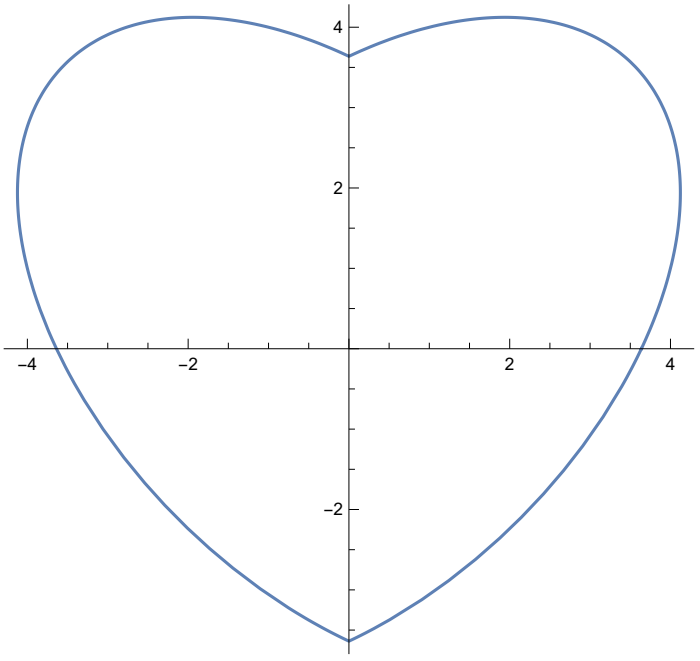
In[ ]:=
```
PolarPlot[2 (1 - Sin[t]), {t, 0, 2 π}]
```
极坐标图 正弦

Out[ ]=



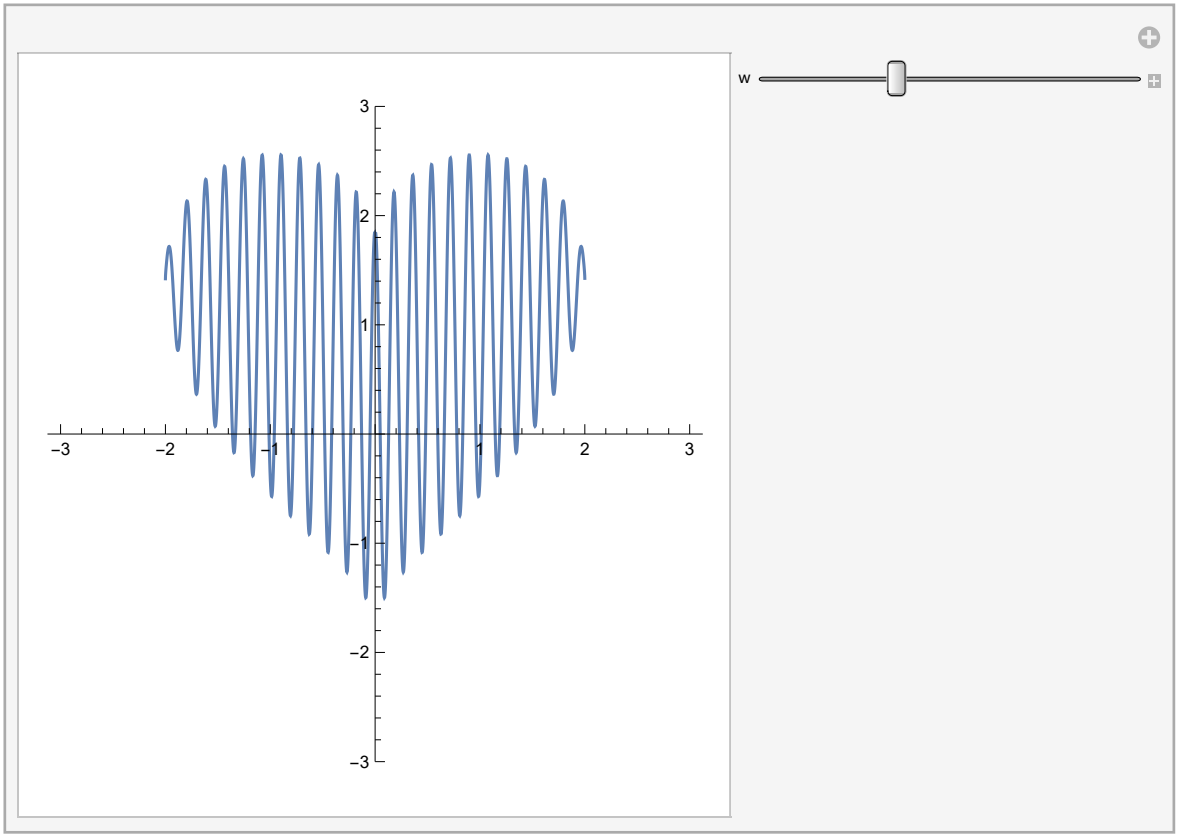
In[ ]:=
```
PolarPlot[15 / Sqrt[17 - 16 Sin[t] Abs[Cos[t]]], {t, 0, 2 π}]
```
极坐标图

Out[ ]=



In[ ]:=
```
Manipulate[Plot[ √Abs[x] + 0.9 √(4 - x^2) Cos[w x],
 {x, -3, 3}, PlotRange → 3, AspectRatio → 1], {w, 0, 100, 1}]
```
交互式操作 绘图 余弦 绘制范围 宽高比

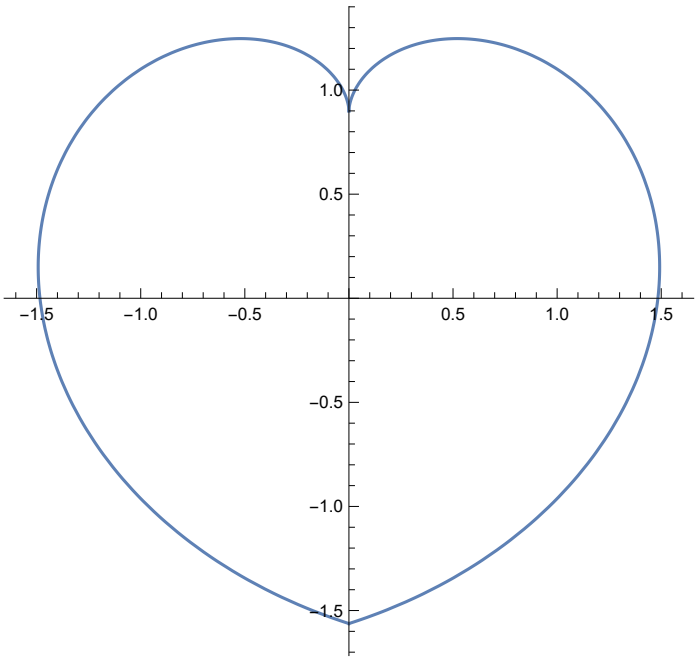
Out[ ]=



In[ ]:=
```
w = Abs[u];
```
绝对值
```
p = w Sqrt[w/(1 + w)];

x = p Sin[u];
```
正弦
```
y = (p Cos[u] + 1) 0.9;
```
余弦
```
ParametricPlot[{x, y}, {u, -π, π}]
```
绘制参数图

Out[ ]=



In[ ]:=
```
PolarPlot[2 - 2 Sin[θ] + Sin[θ] Sqrt[Abs[Cos[θ]] / (Sin[θ] + 1.4)], {θ, -π, π}]
```
极坐标图 正弦 正弦

Out[ ]=