

```

In[•]:= ContourPlot[ $\frac{r^2}{2} - \frac{1}{4\pi} \left( \frac{z}{\sqrt{r^2 + z^2}} + 1 \right)$ , {z, -1, 4}, {r, -1, 1},
ColorFunction -> ({Opacity[ $\#$ ], ColorData["TemperatureMap"] [ $\#$ ]}) &, AspectRatio -> 1/2,
Contours -> 50, Mesh -> None, WorkingPrecision -> 30]

In[•]:= ContourPlot[ $z - \frac{1}{4\pi} \frac{1}{\sqrt{r^2 + z^2}}$ , {z, -1, 4}, {r, -1, 1},
ColorFunction -> ({Opacity[ $\#$ ], ColorData["TemperatureMap"] [ $\#$ ]}) &, AspectRatio -> 1/2,
Contours -> 70, Mesh -> None, WorkingPrecision -> 30]

In[•]:= ContourPlot[ $\frac{r^2}{2} - \frac{1}{4\pi} \left( \frac{z}{\sqrt{r^2 + z^2}} + 1 \right) == 0$ , {z, -1, 4}, {r, -1, 1}, Frame -> None, AspectRatio -> 1/2,
ContourStyle -> {Black, Thick}, PlotPoints -> 50]

```

