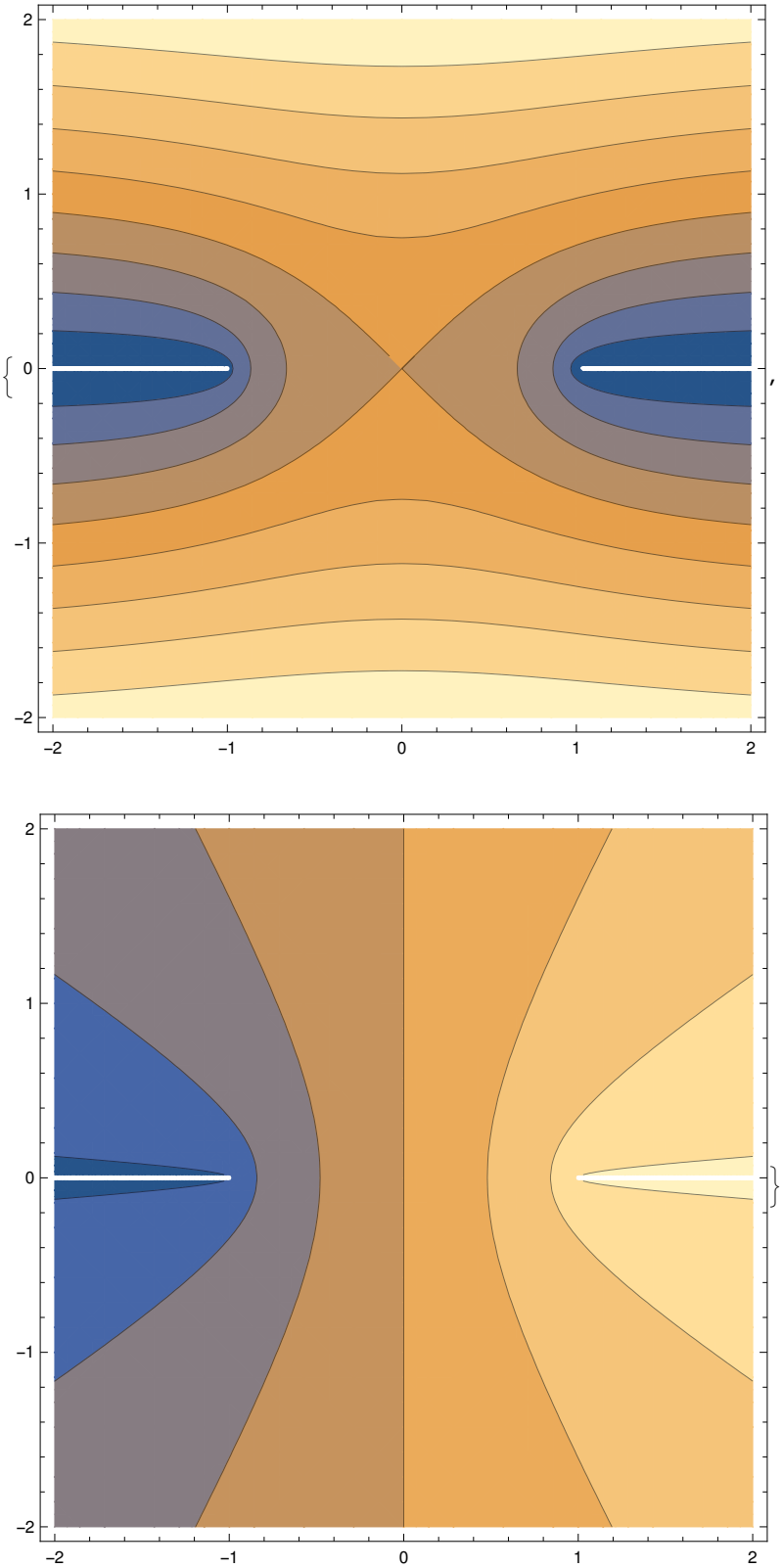
In[61]:=

```
asin[z_] := ArcSin[z]
sqrt[z_] := Sqrt[1 - z^2]
Hinv[z_] := Re[z / sqrt[z] * asin[z]]
Iinv[z_] := Re[2 Re[z] / sqrt[z] * asin[z]]
Z[x_, y_] := x + I y
```

In[77]:=
```
{ContourPlot[Re[sqrt[Z[x, y]]], {x, -2.0, 2.0}, {y, -2.0, 2.0}, ImageSize → 400],
 ContourPlot[Re[asin[Z[x, y]]], {x, -2.0, 2.0}, {y, -2.0, 2.0}, ImageSize → 400]}
```

Out[77]=



In[81]:=
```
{ContourPlot[Hinv[Z[x, y]], {x, -2.0, 2.0}, {y, -2.0, 2.0}, ImageSize → 400],
 ContourPlot[Iinv[Z[x, y]], {x, -2.0, 2.0}, {y, -2.0, 2.0}, ImageSize → 400]}
```

Out[81]=