

```
In[•]:= Wv[Z_] := Z + I Log[Z - (1 + I)] - I Log[Z - (1 - I)]
```

```
In[•]:= wv[Z_] := Wv[Z] + Conjugate[Wv[1/Conjugate[Z]]]
```

```
In[•]:= Simplify[Evaluate[Im[wv[z]] /. z -> x + I y]]
```

```
In[•]:= ContourPlot[  
  Im[  
    Evaluate[1/z + z + I Conjugate[Log[(-2 - I) + 1/Conjugate[z]]] - I Conjugate[Log[(-2 + I) + 1/Conjugate[z]]] -  
      I Log[(-2 - I) + z] + I Log[(-2 + I) + z] /. z -> x + I y], {x, -3, 3}, {y, -2, 2}, Frame -> None,  
  ColorFunction -> ({Opacity[#], ColorData["TemperatureMap"][#]} &), AspectRatio -> 2/3,  
  Contours -> 70, Mesh -> None, WorkingPrecision -> 100]
```

