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In[•]:= Z0 = -0.1 + 0.1 i
```

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In[•]:= g = 4 π √{1.1² + 0.1²} Sin[π / 8 + ArcTan[ (0.1 / 1.1) ]]
```

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In[•]:= Z = z + z √{1 - z⁻²}
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```
In[•]:= W2 = T Exp[-i π / 8] + (1.1² + 0.1² / T) Exp[i π / 8] - (g / (2 i π)) Log[T / √{1.1² + 0.1²}]
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```
In[•]:= ParametricPlot[  
  Through[{Re, Im}[1/2 (z + 1/z)] /. z -> 1 + √{1.1² + 0.1²} (Exp[i t] - Exp[-i ArcTan[0.1 / 1.1]])],  
  {t, 0, 2 Pi}, Frame -> None, PlotStyle -> Directive[Black, Thick], PlotPoints -> 50]
```

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

