

```
In[194]:= g = 9.8;  
l = 0.3;  
ContourPlot[ $\omega^2 / 2 - g / l \text{Cos}[\theta]$ , { $\theta$ , -3 Pi, 3 Pi}, { $\omega$ , -15, 15},  
Contours -> {0, 0.25 g / l, 0.5 g / l, g / l, 2 g / l, 3 g / l, 4 g / l},  
ContourShading -> False,  
Frame -> False,  
Axes -> True,  
Ticks -> {Range[-4 Pi, 4 Pi, Pi], Range[-20, 20, 10]}]
```

