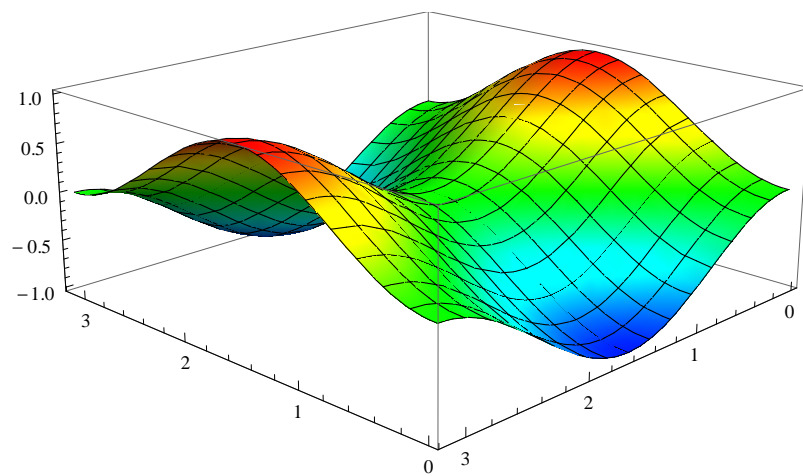
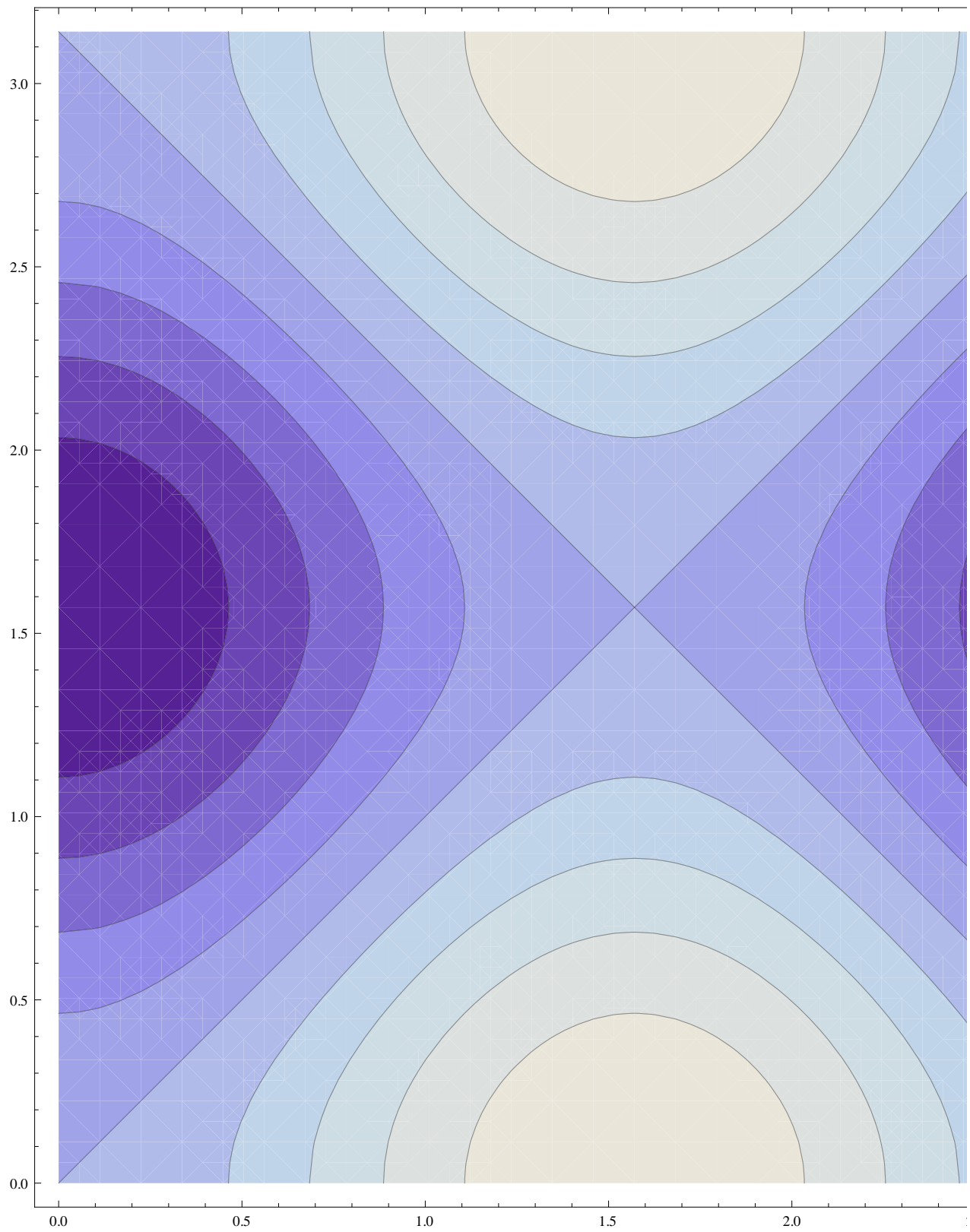


```
Plot3D[{Sin[x]^2 - Sin[y]^2}, {x, 0, Pi}, {y, 0, Pi},  
ColorFunction -> Function[{x, y, z}, Hue[.65 (1 - z)]]]
```



```
ContourPlot[{Sin[x]^2 - Sin[y]^2}, {x, 0, Pi}, {y, 0, Pi}]
```



```
F[a_, x_] := Integrate[Exp[-I m x] / Sin[m / a], {m, -Pi / a, Pi / a}]
```

```
F[0.1, 5]
```

Integrate::idiv : Integral of  $e^{-5 i m}$  Csc[10. m] does not converge on  $\{-31.4159, 31.4159\}$ . >>

$$\int_{-31.4159}^{31.4159} e^{-5 i m} \operatorname{Csc}[10. m] \, dm$$