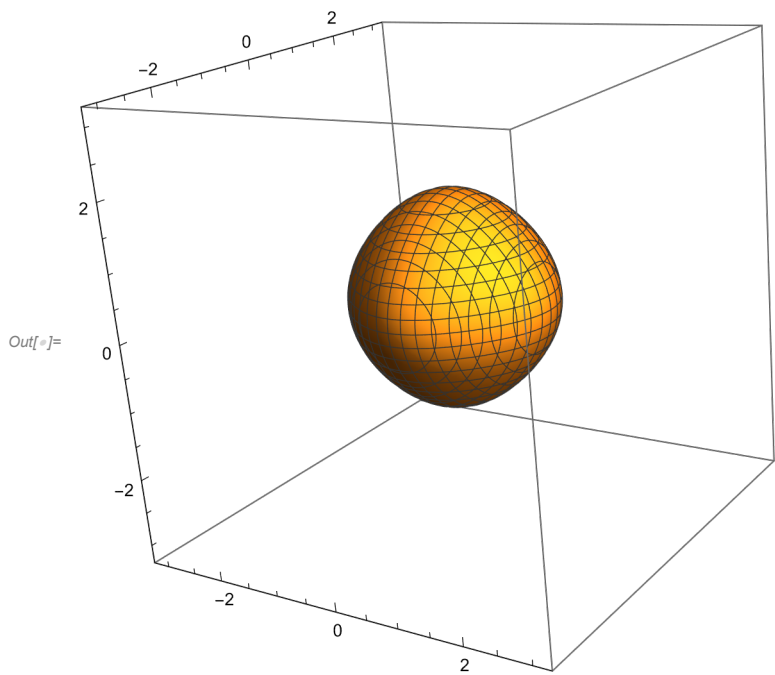


紧束缚模型等能面

$E=E_0-4J_1$

```
In[ ]:= ContourPlot3D[Cos [x] + Cos [y] + Cos [z] == 2, {x, -π, π}, {y, -π, π}, {z, -π, π}]
```

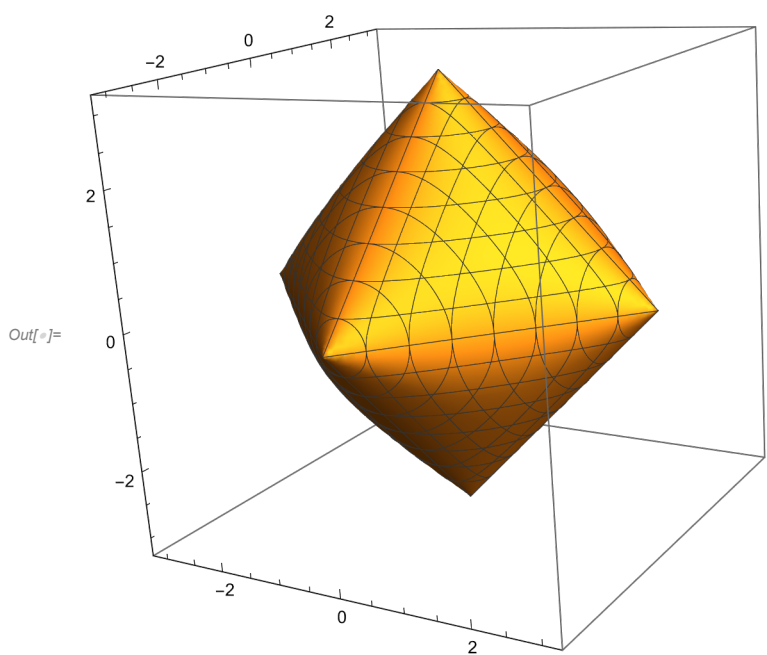
三维等高线 余弦 余弦 余弦



$E=E_0-2J_1$

```
In[ ]:= ContourPlot3D[Cos [x] + Cos [y] + Cos [z] == 1, {x, -π, π}, {y, -π, π}, {z, -π, π}]
```

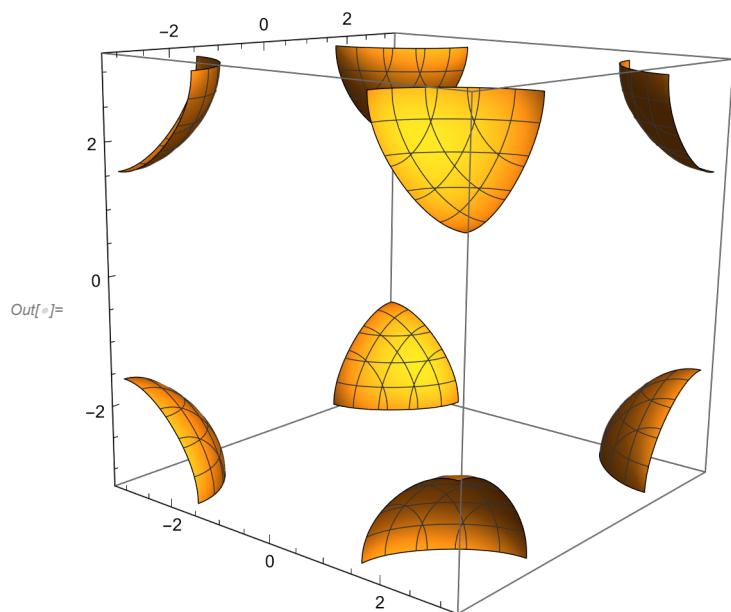
三维等高线 余弦 余弦 余弦



$$E = E_0 + 4J_1$$

In[]:= ContourPlot3D[Cos[x] + Cos[y] + Cos[z] == -2, {x, -π, π}, {y, -π, π}, {z, -π, π}]

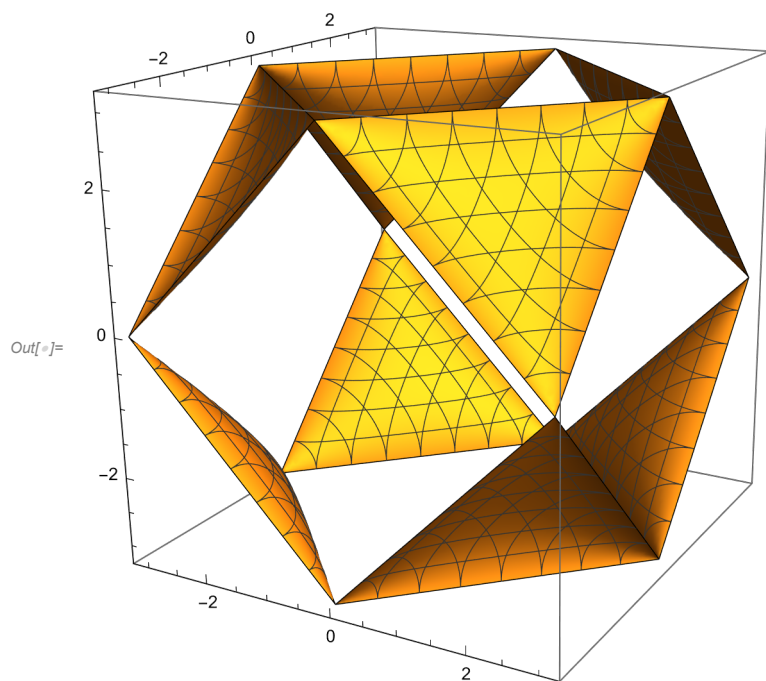
三维等高线 余弦 余弦 余弦



$$E = E_0 + 2J_1$$

In[]:= ContourPlot3D[Cos[x] + Cos[y] + Cos[z] == -1, {x, -π, π}, {y, -π, π}, {z, -π, π}]

三维等高线 余弦 余弦 余弦



$$E = E_0$$

In[]:= ContourPlot3D[Cos [x] + Cos [y] + Cos [z] == 0, {x, - π , π }, {y, - π , π }, {z, - π , π }]
三维等高线 余弦 余弦 余弦

