In[1]:=
```
<< Radia`;
```

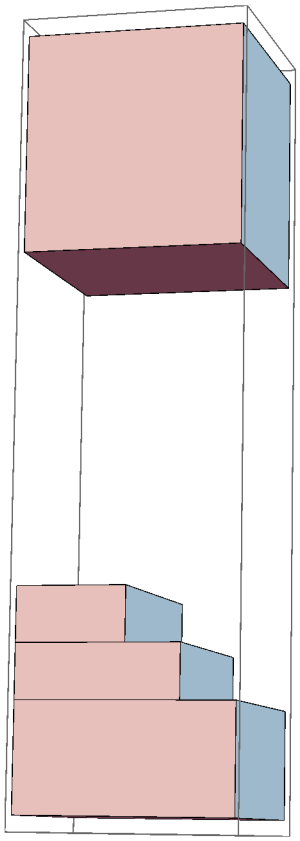
```
Radia Version: 4.31 is loaded

Radia is copyright ESRF, France.

Portions copyright Synchrotron SOLEIL, France.

Portions copyright Wolfram Research, Inc.
```

In[24]:=
```
magUp =
  radObjRecMag[{0, -100*^-6, 100*^-6}, {100*^-6, 100*^-6, 100*^-6}, {0, 1, 0}];
magDown1 = radObjRecMag[{25*^-6, 112.5*^-6, 100*^-6},
   {50*^-6, 25*^-6, 100*^-6}, {0, 1, 0}];
magDown2 = radObjRecMag[{12.5*^-6, 137.5*^-6, 100*^-6},
   {75*^-6, 25*^-6, 100*^-6}, {0, 1, 0}];
magDown3 = radObjRecMag[{0, 175*^-6, 100*^-6},
   {100*^-6, 50*^-6, 100*^-6}, {0, 1, 0}];
```

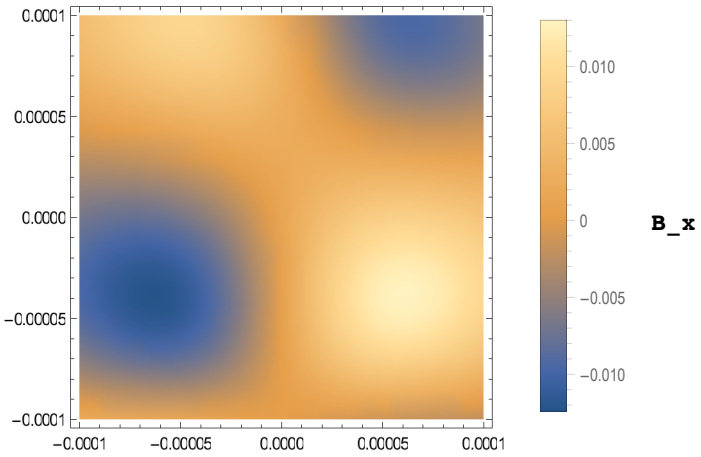
In[28]:=
```
magnetContainer = radObjCnt[{magUp, magDown1, magDown2, magDown3}];
```

In[29]:=
```
Show[Graphics3D[radObjDrw[magnetContainer]]]
```

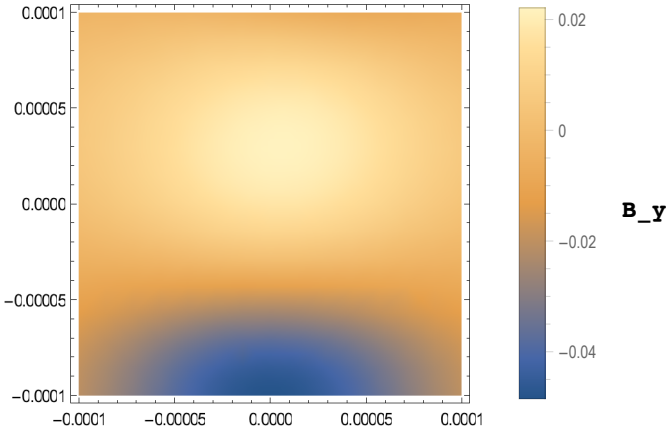
Out[29]=



In[30]:=
```
DensityPlot[radFld[magnetContainer, "bx", {x, y, -10*^-6}],
 {x, -100*^-6, 100*^-6}, {y, -100*^-6, 100*^-6}, PlotLegends → Automatic]
```



In[31]:=
```
DensityPlot[radFld[magnetContainer, "by", {x, y, -10*^-6}],
 {x, -100*^-6, 100*^-6}, {y, -100*^-6, 100*^-6}, PlotLegends → Automatic]
```



In[32]:=
```
DensityPlot[radFld[magnetContainer, "bz", {x, y, -10*^-6}],
 {x, -100*^-6, 100*^-6}, {y, -100*^-6, 100*^-6}, PlotLegends → Automatic]
```