In[]:=
```
vrhpuščice = {3/2, 0, 3/4} + 2 ({0, 0, 1} + .1 Table[-Abs[2 RandomReal[] - 1], 3]);
dnopuščice = {3/2, 0, 3/4};
grafika = Show[

   Graphics3D[{
     RGBColor[{1, 0, 1}],
     EdgeForm[],

     Polygon[{

       {0, 0, 0},
       {3, 0, 0},
       {3, 0, 1},
       {2, 0, 1},
       {2, 0, 2},
       {1, 0, 2},
       {1, 0, 1},
       {0, 0, 1}

      }]
    }],

   Graphics3D[{
     RGBColor[{1, 0, 1}],

     Sphere[{3/2, 0, 3/4}, .03]
    }],

   Graphics3D[{
     Text[MaTeX["\\color{red}{\\boldsymbol{\\omega}}", FontSize → 250],
      (dnopuščice + vrhpuščice)/2 + {.1, 0, 0}],
     RGBColor[{1, 0, 0}],
     Arrowheads[.05],

     Arrow[Tube[{dnopuščice, vrhpuščice},
       .015]]
    }],

   Boxed → False,
   ViewPoint → {2, -10, 2},
   ViewVertical → {0, 0, 1},
   ImageSize → 4 * {1920, 1500},
   Lighting → "Neutral"
  ];
Export["c:\\Users\\gal\\Documents\\ŠOLA\\NAR\\fiz\\rn.avionški\\grafi\\T-ploskva.png",
 grafika]
```

Out[]=
```
c:\Users\gal\Documents\ŠOLA\NAR\fiz\rn.avionški\grafi\T-ploskva.png
```

In[]:=
```
tež0={3/2,0,3/4};(*začetno težišče*)
izhbaz=-tež0+{2,0,1}+{1,0,1}/4;
lbaz=.5;
```

```
deb=.011;
velpuš=.02;
odmn=.1;(*odmik napisa*)
velčrk=193.5;
RazmikPlo=.5;

EnaPlo[RM_,premik_]:=Show[


Graphics3D[{
 RGBColor[{1,0,1}],
 EdgeForm[],

 Polygon[(RM.(#-tež0)+premik)&/@{

 {0,0,0},
 {3,0,0},
 {3,0,1},
 {2,0,1},
 {2,0,2},
 {1,0,2},
 {1,0,1},
 {0,0,1}

 }]
 }],

Graphics3D[{

Text[MaTeX["\\color{red}{\\hat{i}}",FontSize→velčrk],RM.(izhbaz+{lbaz+odmn,0,0})+premik],
RGBColor[{1,0,0}],
Arrowheads[velpuš],
Arrow[
Tube[(RM.#+premik)&/@{
izhbaz,izhbaz+{lbaz,0,0}
}, deb]]}],

Graphics3D[{

Text[MaTeX["\\color{green}{\\hat{j}}",FontSize→velčrk],RM.(izhbaz-{0,lbaz+odmn,0})+premik+If
RGBColor[{0,1,0}],
Arrowheads[velpuš],
Arrow[
Tube[(RM.#+premik)&/@{
izhbaz,izhbaz-{0,lbaz,0}
}, deb]]}],

Graphics3D[{

Text[MaTeX["\\color{blue}{\\hat{k}}",FontSize→velčrk],RM.(izhbaz+{0,0,lbaz+odmn})+premik],
RGBColor[{0,0,1}],
Arrowheads[velpuš],
Arrow[
```

```
Tube[(RM.#+premik)&/@{
izhbaz,izhbaz+{0,0,lbaz}
}, deb]]}],


Boxed→False,
ViewVertical→{0, 0, 1},
(*ViewPoint→20 {Cos[φ],Sin[φ],.3},
SphericalRegion→Sphere[{0,0,0},1],

PlotRange→{{,},{,},{,}},*)
Lighting -> "Neutral"
]

grafika=Show[
EnaPlo[IdentityMatrix[3],{-1.5-RazmikPlo/2,0,0}],
RM=RotationMatrix[2π RandomReal[],Table[RandomReal[],3]];
EnaPlo[RM,{1.5+RazmikPlo/2,0,0}],
ViewPoint→{0,-10,5},
ImageSize→4*1920
];

Export["c:\\Users\\gal\\Documents\\ŠOLA\\NAR\\fiz\\rn.avionški\\grafi\\Koordinatni sistem plos
SystemOpen["c:\\Users\\gal\\Documents\\ŠOLA\\NAR\\fiz\\rn.avionški\\grafi\\Koordinatni sistem
```