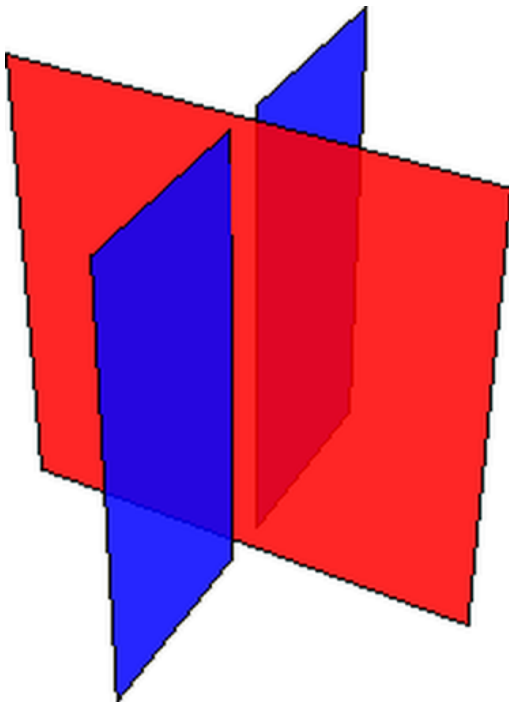Pensieve header: A collection of images for virtual 2-knots.

```
SetDirectory["C:\\drorbn\\AcademicPensieve\\2014-01"]
```

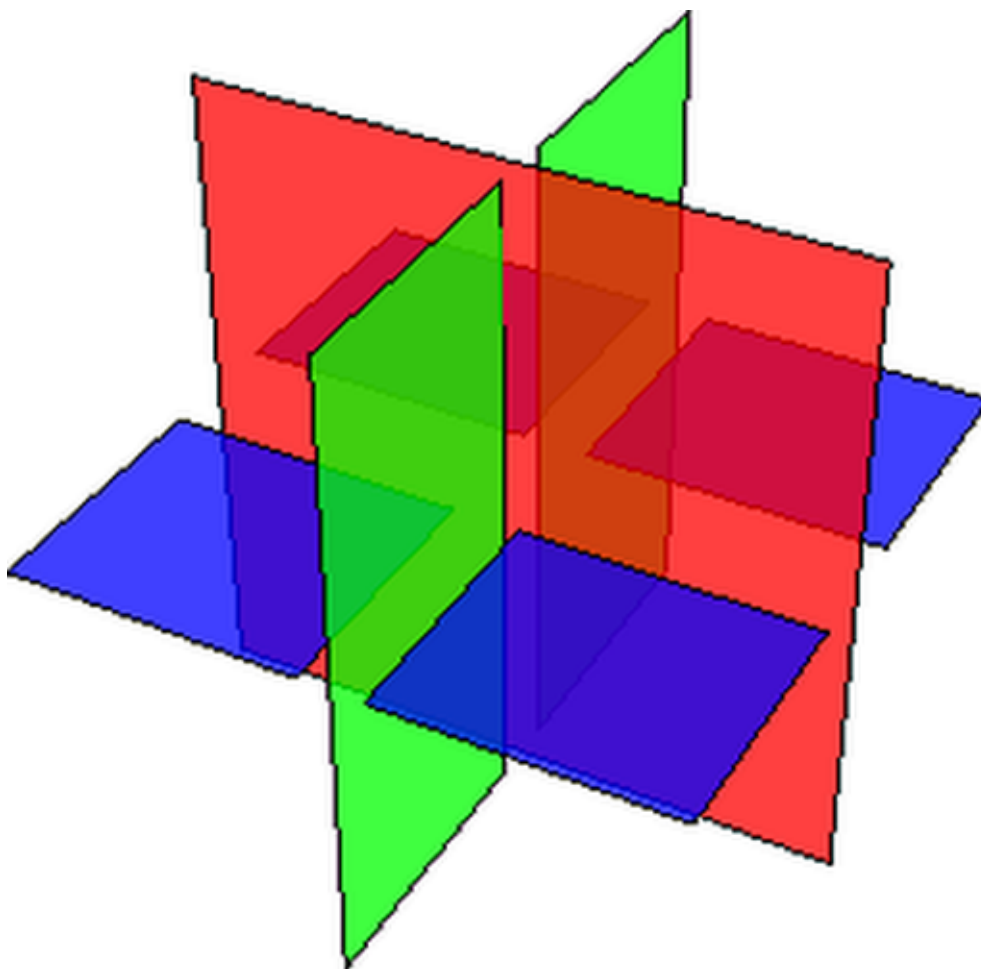C:\drorbn\AcademicPensieve\2014-01

```
MakeImage["V2K-01",
 Graphics3D[{
    Opacity[0.85],
    Glow[Red], Polygon[{{-10, 0, -10}, {-10, 0, 10}, {10, 0, 10}, {10, 0, -10}}],
    Glow[Blue],
    Polygon[{{0, -10, -10}, {0, -10, 10}, {0, -1, 10}, {0, -1, -10}}],
    Polygon[{{0, 10, -10}, {0, 10, 10}, {0, 1, 10}, {0, 1, -10}}]
   }, Lighting → None, Boxed → False],
 ImageSize → 300]
```

```
MakeImage["V2K-02",
 Graphics3D[{
   Opacity[0.75],
   Glow[Red], Polygon[{{-10, 0, -10}, {-10, 0, 10}, {10, 0, 10}, {10, 0, -10}}],
   Glow[Green],
   Polygon[{{0, -10, -10}, {0, -10, 10}, {0, -1, 10}, {0, -1, -10}}],
   Polygon[{{0, 10, -10}, {0, 10, 10}, {0, 1, 10}, {0, 1, -10}}],
   Glow[Blue],
   Polygon[{{1, 10, 0}, {1, 2, 0}, {10, 2, 0}, {10, 10, 0}}],
   Polygon[{{-1, 10, 0}, {-1, 2, 0}, {-10, 2, 0}, {-10, 10, 0}}],
   Polygon[{{-1, -10, 0}, {-1, -2, 0}, {-10, -2, 0}, {-10, -10, 0}}],
   Polygon[{{1, -10, 0}, {1, -2, 0}, {10, -2, 0}, {10, -10, 0}}]
   }, Lighting → None, Boxed → False],
 ImageSize → 300]
```
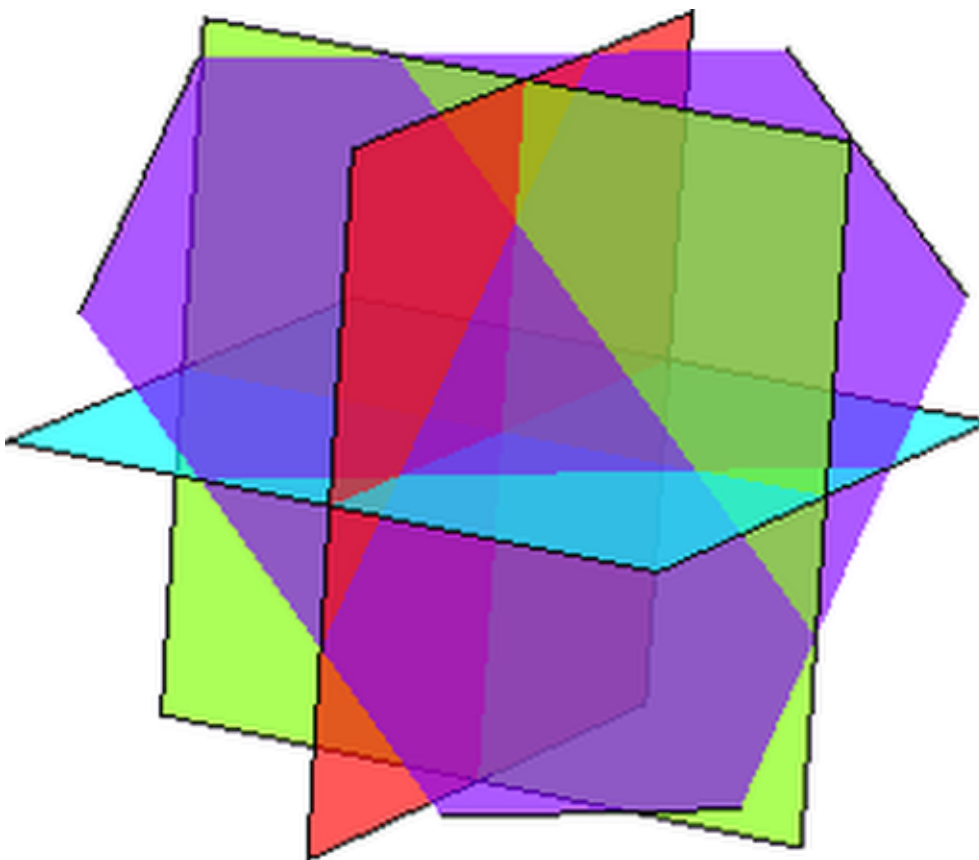
```mathematica
MakeImage["V2K-03",
 Graphics3D[{
    Opacity[0.65],
    Glow[Hue[0 / 4]],
    Polygon[{{-10, 0, -10}, {-10, 0, 10}, {10, 0, 10}, {10, 0, -10}}],
    Glow[Hue[1 / 4]],
    Polygon[{{0, -10, -10}, {0, -10, 10}, {0, 10, 10}, {0, 10, -10}}],
    Glow[Hue[2 / 4]],
    Polygon[{{-10, 10, 0}, {-10, -10, 0}, {10, -10, 0}, {10, 10, 0}}],
    Glow[Hue[3 / 4]],
    Polygon[10 {{2, -1, -1}, {-1, 2, -1}, {-1, -1, 2}} + 2 {1, 1, 1}]
   },
  Boxed → False, ImageSize → {390.`, Automatic}, Lighting → None, PlotRange → 10,
  ViewPoint → {24.7, 12.5, 7.45}, ViewVertical → {-0.072, -0.109, 0.991}
 ],
 ImageSize → 300]
```
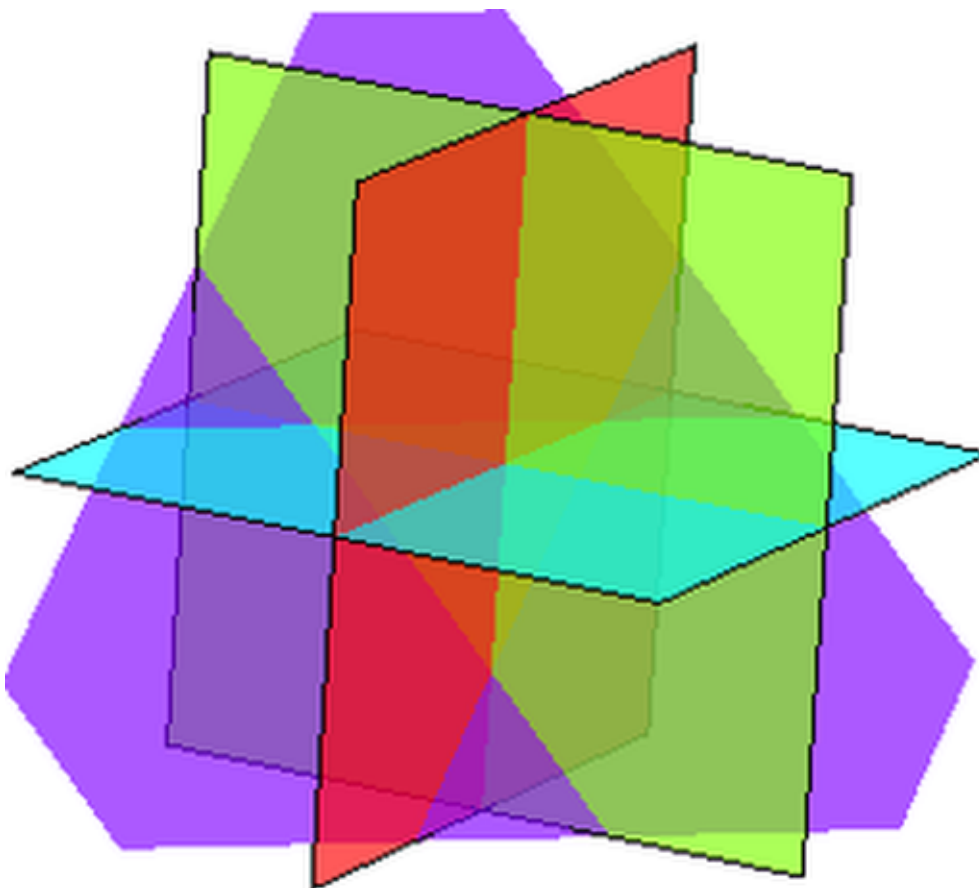
```
MakeImage["V2K-04",
 Graphics3D[{
    Opacity[0.65],
    Glow[Hue[0 / 4]],
    Polygon[{{-10, 0, -10}, {-10, 0, 10}, {10, 0, 10}, {10, 0, -10}}],
    Glow[Hue[1 / 4]],
    Polygon[{{0, -10, -10}, {0, -10, 10}, {0, 10, 10}, {0, 10, -10}}],
    Glow[Hue[2 / 4]],
    Polygon[{{-10, 10, 0}, {-10, -10, 0}, {10, -10, 0}, {10, 10, 0}}],
    Glow[Hue[3 / 4]],
    Polygon[10 {{2, -1, -1}, {-1, 2, -1}, {-1, -1, 2}} - 2 {1, 1, 1}]
   },
  Boxed → False, ImageSize → {390.`, Automatic}, Lighting → None, PlotRange → 10,
  ViewPoint → {24.7, 12.5, 7.45}, ViewVertical → {-0.072, -0.109, 0.991}
 ],
 ImageSize → 300]
```
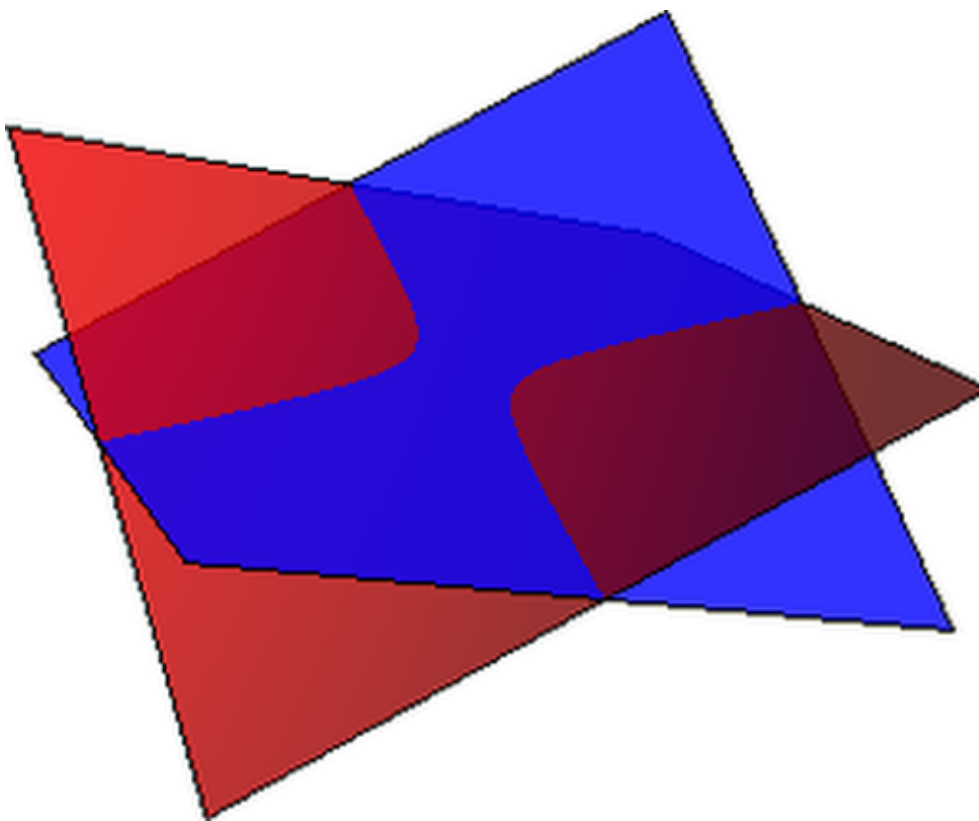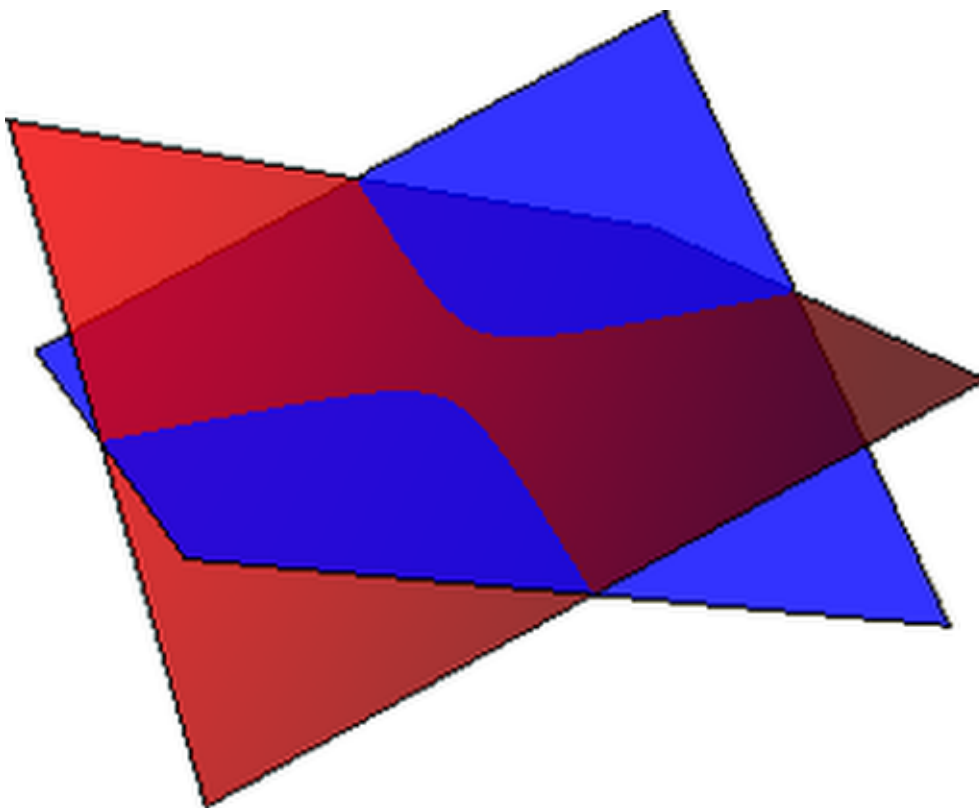
```
MakeImage["V2K-05",
 Plot3D[{x y, -0.1 - x y}, {x, -2, 2}, {y, -2, 2},
  BoxRatios → {1, 1, 0.4`}, Boxed → False, ImageSize → {315.1729630273366`, 260.`},
  Method → {"RotationControl" → "Globe"}, PlotRange → {{-2, 2}, {-2, 2}, All},
  PlotRangePadding → {Scaled[0.02`], Scaled[0.02`], Scaled[0.02`]},
  ViewPoint → {-2.580627656842925`, -0.9026639334946656`, -1.9938803173473902`},
  ViewVertical → {0.`, 0.`, -1.`},
  PlotStyle → {{Opacity[0.8], Red}, {Opacity[0.8], Blue}},
  Mesh → False, PlotPoints → 50, Boxed → False, Axes → False
 ],
 ImageSize → 300
]
```

```
MakeImage["V2K-06",
 Plot3D[{x y, 0.1 - x y}, {x, -2, 2}, {y, -2, 2},
  BoxRatios → {1, 1, 0.4`}, Boxed → False, ImageSize → {315.1729630273366`, 260.`},
  Method → {"RotationControl" → "Globe"}, PlotRange → {{-2, 2}, {-2, 2}, All},
  PlotRangePadding → {Scaled[0.02`], Scaled[0.02`], Scaled[0.02`]},
  ViewPoint → {-2.580627656842925`, -0.9026639334946656`, -1.9938803173473902`},
  ViewVertical → {0.`, 0.`, -1.`},
  PlotStyle → {{Opacity[0.8], Red}, {Opacity[0.8], Blue}},
  Mesh → False, PlotPoints → 50, Boxed → False, Axes → False
 ],
 ImageSize → 300
]
```

```
MakeImage["V2K-07",
 ParametricPlot3D[
  {t Cos[α], t Sin[α], Sin[2 α]},
  {α, 0, π / 2}, {t, -1, 1},
  ColorFunction → Function[{x, y, z, α, t}, Glow[Hue[3 α / 2 π]]],
  ColorFunctionScaling → False,
  Lighting → None, Boxed → False, Axes → None, Mesh → False,
  PlotStyle → Opacity[0.8], ViewPoint → {2.92229, -1.60047, 0.552585},
  ViewVertical → {0.694529, -0.375278, 1.22767}
 ],
 ImageSize → 300]
```