Pensieve header: Images for the BF2C talk.

```
SetDirectory["C:\\drorbn\\AcademicPensieve\\2014-02\\BF2C"]
```

```
C:\drorbn\AcademicPensieve\2014-02\BF2C
```

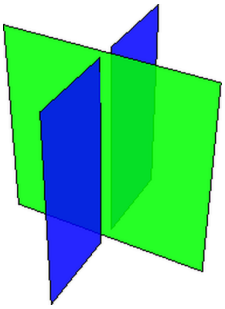
```
Kink0[s_, t_] := If[s ≤ 0, {t, 0, 0}, (* s is size, t is time *)
```

$$\begin{cases} \{t, 0, 0\} & t < -1.25\,s \\ \{5\,t + 5\,s, 0, -4\,t - 5\,s\} & -1.25\,s \le t < -s \\ \frac{s}{\pi}\left\{-\text{Sin}\left[\frac{\pi t}{s}\right], 1 + \text{Cos}\left[\frac{\pi t}{s}\right], \frac{\pi t}{s}\right\} & -s \le t \le s \\ \{5\,t - 5\,s, 0, -4\,t + 5\,s\} & s < t \le 1.25\,s \\ \{t, 0, 0\} & t > 1.25\,s \end{cases};$$

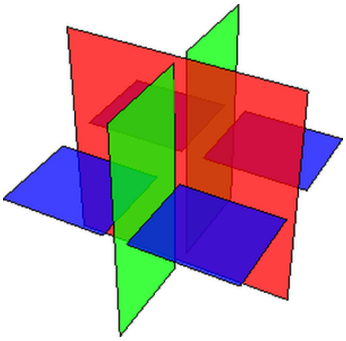
```
Kink[s_, t_] := If[s ≤ 0, {t, -t^2, 0}, (* s is size, t is time *)
```

$$\begin{cases} \{t, -t^2, 0\} & t < -1.25\,s \\ \{5\,t + 5\,s, -(5\,t + 5\,s)^2, -4\,t - 5\,s\} & -1.25\,s \le t < -s \\ \frac{s}{\pi}\left\{-\text{Sin}\left[\frac{\pi t}{s}\right], 1 + \text{Cos}\left[\frac{\pi t}{s}\right], \frac{\pi t}{s}\right\} & -s \le t \le s \\ \{5\,t - 5\,s, -(5\,t - 5\,s)^2, -4\,t + 5\,s\} & s < t \le 1.25\,s \\ \{t, -t^2, 0\} & t > 1.25\,s \end{cases}$$

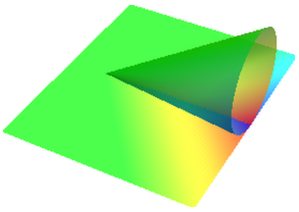
```
MakeImage["Ingredient1",
 Graphics3D[{
   Opacity[0.85],
   Glow[Green], Polygon[{{-10, 0, -10}, {-10, 0, 10}, {10, 0, 10}, {10, 0, -10}}],
   Glow[Blue],
   Polygon[{{0, -10, -10}, {0, -10, 10}, {0, -1, 10}, {0, -1, -10}}],
   Polygon[{{0, 10, -10}, {0, 10, 10}, {0, 1, 10}, {0, 1, -10}}]
  }, Lighting → None, Boxed → False],
 ImageSize → 300]
```



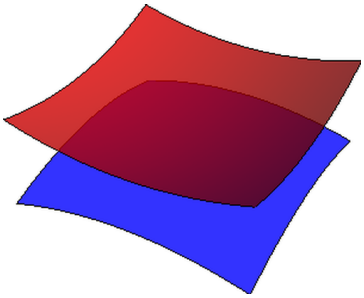
```
MakeImage["Ingredient2",
 Graphics3D[{
   Opacity[0.75],
   Glow[Hue[0]], Polygon[{{-10, 0, -10}, {-10, 0, 10}, {10, 0, 10}, {10, 0, -10}}],
   Glow[Hue[1 / 3]],
   Polygon[{{0, -10, -10}, {0, -10, 10}, {0, -1, 10}, {0, -1, -10}}],
   Polygon[{{0, 10, -10}, {0, 10, 10}, {0, 1, 10}, {0, 1, -10}}],
   Glow[Hue[2 / 3]],
   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]
```



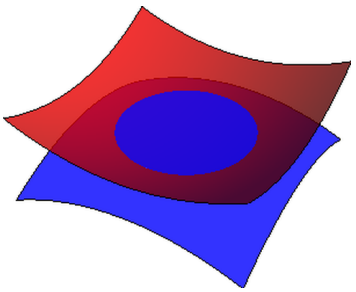
```
MakeImage[
 ParametricPlot3D[{s, Kink0[s, t][[1]], Kink0[s, t][[2]]},
  {s, -0.25, 1}, {t, -1.75, 1.75},
  ColorFunction → Function[{x, y, z, s, t}, Hue[(1 + Kink0[s, t][[3]])/3]],
  ColorFunctionScaling → False,
  PlotRange → {{-0.25, 1}, {-0.75, 0.75}, {0, 0.75}}, Mesh → False,
  Boxed → False, Axes → False, PlotStyle → {Opacity[0.7]}, PlotPoints → 150
 ],
 ImageSize → 300
]
```



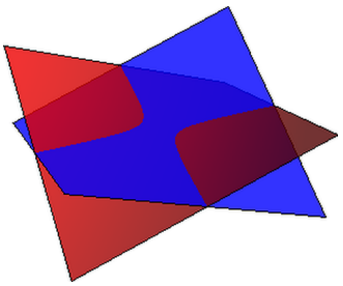
```
MakeImage["Roseman1a",
 α = 0.8;
 Plot3D[{1 - α (1 - (x^2 + y^2)/8), -1 + α (1 - (x^2 + y^2)/8)}, {x, -2, 2}, {y, -2, 2},
  BoxRatios → {1, 1, 0.4}, Boxed → False, PlotRange → {{-2, 2}, {-2, 2}, {-1, 1}},
  PlotStyle → {{Opacity[0.8], Red}, {Opacity[0.8], Blue}},
  Mesh → False, PlotPoints → 50, Boxed → False, Axes → False
 ],
 ImageSize → 300
]
```



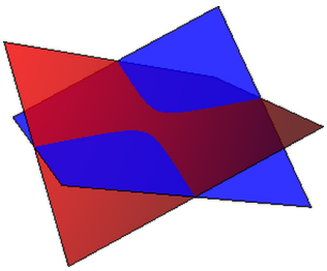
```
MakeImage["Roseman1b",
 α = 1.2;
 Plot3D[{1 - α (1 - (x^2 + y^2)/8), -1 + α (1 - (x^2 + y^2)/8)}, {x, -2, 2}, {y, -2, 2},
  BoxRatios → {1, 1, 0.4}, Boxed → False, PlotRange → {{-2, 2}, {-2, 2}, {-1, 1}},
  PlotStyle → {{Opacity[0.8], Red}, {Opacity[0.8], Blue}},
  Mesh → False, PlotPoints → 50, Boxed → False, Axes → False
 ],
 ImageSize → 300
]
```



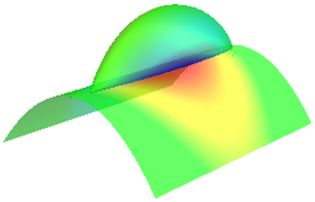
```
MakeImage["Roseman2a",
 Plot3D[{x y, -0.1 - x y}, {x, -2, 2}, {y, -2, 2},
  BoxRatios → {1, 1, 0.4`}, Boxed → False, ImageSize → {315.1729630273366`, 260.`},
  Method → {"RotationControl" → "Globe"}, PlotRange → {{-2, 2}, {-2, 2}, All},
  PlotRangePadding → {Scaled[0.02`], Scaled[0.02`], Scaled[0.02`]},
  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["Roseman2b",
 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
]
```

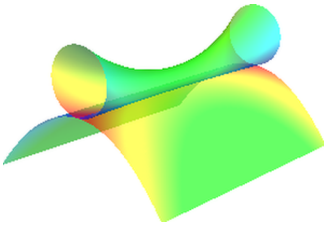


```
σ[s_, t_] := {s}~Join~Kink[0.75 - s^2, t];
MakeImage["Roseman3a",
 ParametricPlot3D[σ[s, t][[1 ;; 3]],
  {s, -1, 1}, {t, -1.75, 1.75},
  ColorFunction → Function[{x, y, z, s, t}, Hue[(2 / 3 + σ[s, t][[4]])/2]],
  ColorFunctionScaling → False,
  PlotRange → {{-1, 1}, {-0.75, 0.75}, {-0.5, 0.75}}, Mesh → False,
  Boxed → False, Axes → False, PlotStyle → {Opacity[0.6]},
  PlotPoints → 200, ViewPoint → {-2.60408, -1.97812, 0.869364},
  ViewVertical → {-0.332387, -0.276651, 1.47206}
 ],
 ImageSize → 300
]
```

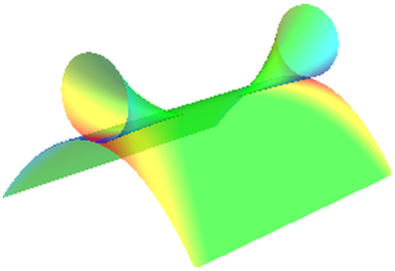


```
σ[s_, t_] := {s}~Join~Kink[0, t];
MakeImage["Roseman3b",
 ParametricPlot3D[σ[s, t][[1 ;; 3]],
  {s, -1, 1}, {t, -1.75, 1.75},
  ColorFunction → Function[{x, y, z, s, t}, Hue[(2 / 3 + σ[s, t][[4]])/2]],
  ColorFunctionScaling → False,
  PlotRange → {{-1, 1}, {-0.75, 0.75}, {-0.5, 0.75}}, Mesh → False,
  Boxed → False, Axes → False, PlotStyle → {Opacity[0.6]},
  PlotPoints → 200, ViewPoint → {-2.60408, -1.97812, 0.869364},
  ViewVertical → {-0.332387, -0.276651, 1.47206}
 ],
 ImageSize → 300
]
```

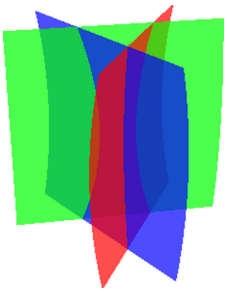
```
σ[s_, t_] := {s}~Join~Kink[0.25 + s^2/2, t];

MakeImage["Roseman4a",
 ParametricPlot3D[σ[s, t][[1 ;; 3]],
  {s, -1, 1}, {t, -1.75, 1.75},
  ColorFunction → Function[{x, y, z, s, t}, Hue[(2/3 + σ[s, t][[4]])/2]],
  ColorFunctionScaling → False,
  PlotRange → {{-1, 1}, {-0.75, 0.75}, {-0.5, 0.75}}, Mesh → False,
  Boxed → False, Axes → False, PlotStyle → {Opacity[0.6]},
  PlotPoints → 250, ViewPoint → {-2.60408, -1.97812, 0.869364},
  ViewVertical → {-0.332387, -0.276651, 1.47206}
 ],
 ImageSize → 300
]
```



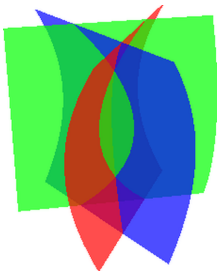
```
σ[s_, t_] := {s} ~Join~ Kink[0.8 s^2 - 0.05, t];
MakeImage["Roseman4b",
 ParametricPlot3D[σ[s, t][[1 ;; 3]],
  {s, -1, 1}, {t, -1.75, 1.75},
  ColorFunction → Function[{x, y, z, s, t}, Hue[(2 / 3 + σ[s, t][[4]])/2]],
  ColorFunctionScaling → False,
  PlotRange → {{-1, 1}, {-0.75, 0.75}, {-0.5, 0.75}}, Mesh → False,
  Boxed → False, Axes → False, PlotStyle → {Opacity[0.6]},
  PlotPoints → 250, ViewPoint → {-2.60408, -1.97812, 0.869364},
  ViewVertical → {-0.332387, -0.276651, 1.47206}
 ],
 ImageSize → 300
]
```



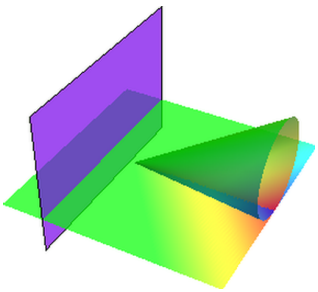
```
MakeImage["Roseman5a",
 Show[
  ParametricPlot3D[
   Append[0.2 (1 - 0.5 (1 - z^2)) {1, 0} + t {0, 1}, z], {t, -1, 1}, {z, -1, 1},
    Mesh → False, Boxed → False, Axes → False,
    PlotStyle → {Glow[Hue[0]], Opacity[0.7]}, Lighting → None],
  ParametricPlot3D[Append[0.2 (1 - 0.5 (1 - z^2)) {-1/2, Sqrt[3]/2} + t {Sqrt[3]/2, 1/2}, z],
   {t, -1, 1}, {z, -1, 1},
    Mesh → False, Boxed → False, Axes → False,
    PlotStyle → {Glow[Hue[1/3]], Opacity[0.7]}, Lighting → None],
  ParametricPlot3D[Append[0.2 (1 - 0.5 (1 - z^2)) {-1/2, -Sqrt[3]/2} + t {-Sqrt[3]/2, 1/2}, z],
   {t, -1, 1}, {z, -1, 1},
    Mesh → False, Boxed → False, Axes → False,
    PlotStyle → {Glow[Hue[2/3]], Opacity[0.7]}, Lighting → None],
  PlotRange → All, ViewPoint → {1.07475, -2.85045, 1.47304},
  ViewVertical → {0.0785897, -0.166645, 0.983457}
 ],
 ImageSize → 300
]
```



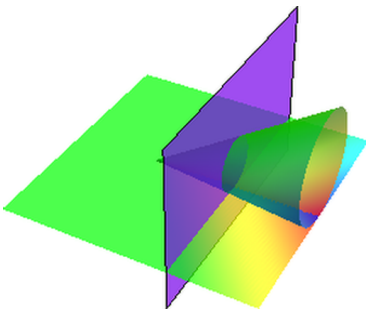
```
MakeImage["Roseman5b",
 Show[
  ParametricPlot3D[
   Append[0.2 (1 - 1.5 (1 - z^2)) {1, 0} + t {0, 1}, z], {t, -1, 1}, {z, -1, 1},
    Mesh → False, Boxed → False, Axes → False,
    PlotStyle → {Glow[Hue[0]], Opacity[0.7]}, Lighting → None],
  ParametricPlot3D[Append[0.2 (1 - 1.5 (1 - z^2)) {-1/2, Sqrt[3]/2} + t {Sqrt[3]/2, 1/2}, z],
   {t, -1, 1}, {z, -1, 1},
    Mesh → False, Boxed → False, Axes → False,
    PlotStyle → {Glow[Hue[1/3]], Opacity[0.7]}, Lighting → None],
  ParametricPlot3D[Append[0.2 (1 - 1.5 (1 - z^2)) {-1/2, -Sqrt[3]/2} + t {-Sqrt[3]/2, 1/2}, z],
   {t, -1, 1}, {z, -1, 1},
    Mesh → False, Boxed → False, Axes → False,
    PlotStyle → {Glow[Hue[2/3]], Opacity[0.7]}, Lighting → None],
  PlotRange → All, ViewPoint → {1.07475, -2.85045, 1.47304},
  ViewVertical → {0.0785897, -0.166645, 0.983457}
 ],
 ImageSize → 300
]
```



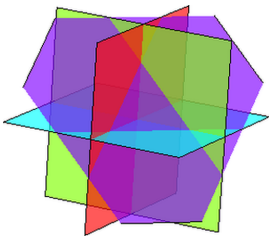
```
MakeImage["Roseman6a",
 Show[
  ParametricPlot3D[{s, Kink0[s, t][[1]], Kink0[s, t][[2]]},
   {s, -0.5, 1}, {t, -1.75, 1.75},
   ColorFunction → Function[{x, y, z, s, t}, Hue[(1 + Kink0[s, t][[3]])/3]],
   ColorFunctionScaling → False,
   PlotRange → {{-0.5, 1}, {-0.75, 0.75}, {-0.25, 0.75}}, Mesh → False,
   Boxed → False, Axes → False, PlotStyle → {Opacity[0.7]}, PlotPoints → 150
  ],
  Graphics3D[{Opacity[0.7], Hue[0.75],
    Polygon[{{-0.2, -0.75, -0.25},
      {-0.2, -0.75, 0.75}, {-0.2, 0.75, 0.75}, {-0.2, 0.75, -0.25}}]
   }]
 ],
 ImageSize → 300
]
```



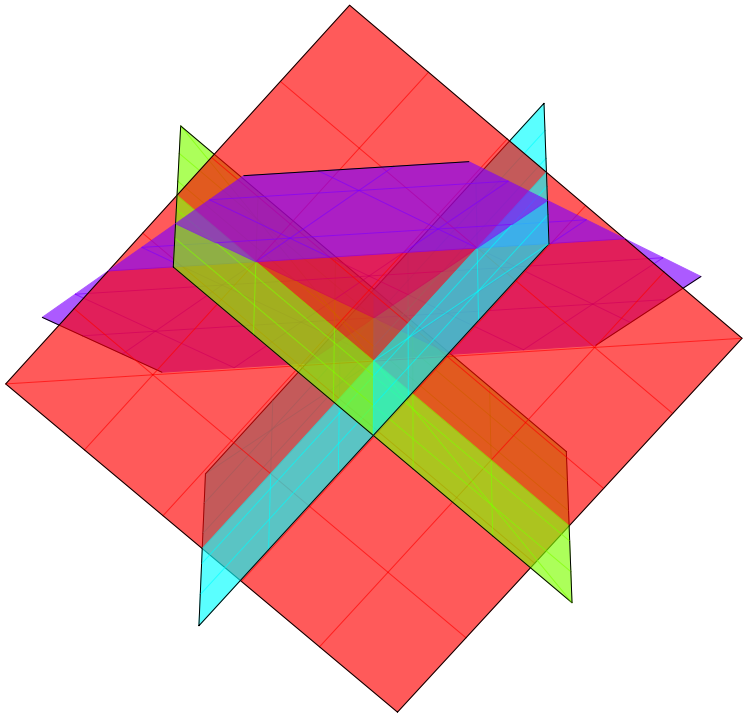
```
MakeImage["Roseman6b",
 Show[
  ParametricPlot3D[{s, Kink0[s, t][[1]], Kink0[s, t][[2]]},
   {s, -0.5, 1}, {t, -1.75, 1.75},
   ColorFunction → Function[{x, y, z, s, t}, Hue[(1 + Kink0[s, t][[3]])/3]],
   ColorFunctionScaling → False,
   PlotRange → {{-0.5, 1}, {-0.75, 0.75}, {-0.25, 0.75}}, Mesh → False,
   Boxed → False, Axes → False, PlotStyle → {Opacity[0.7]}, PlotPoints → 150
  ],
  Graphics3D[{Opacity[0.7], Hue[0.75],
    Polygon[{{0.5, -0.75, -0.25},
      {0.5, -0.75, 0.75}, {0.5, 0.75, 0.75}, {0.5, 0.75, -0.25}}]
   }]
 ],
 ImageSize → 300
]
```



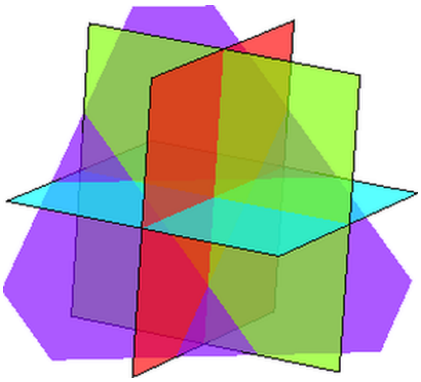
```
MakeImage["Roseman7a",
 Graphics3D[{
   Opacity[0.65],
   Glow[Hue[0 / 4]],
   Polygon[{{-10, 0, -10}, {-10, 0, 10}, {10, 0, 10}, {10, 0, -10}}],
   Glow[Hue[1 / 4]],
   Polygon[{{0, -10, -10}, {0, -10, 10}, {0, 10, 10}, {0, 10, -10}}],
   Glow[Hue[2 / 4]],
   Polygon[{{-10, 10, 0}, {-10, -10, 0}, {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]
```



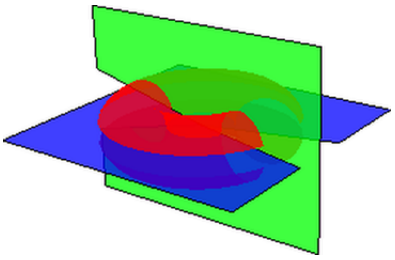
```
$Image["Roseman7a"]
```



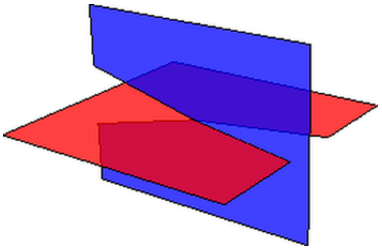
```
MakeImage["Roseman7b",
 Graphics3D[{
   Opacity[0.65],
   Glow[Hue[0 / 4]],
   Polygon[{{-10, 0, -10}, {-10, 0, 10}, {10, 0, 10}, {10, 0, -10}}],
   Glow[Hue[1 / 4]],
   Polygon[{{0, -10, -10}, {0, -10, 10}, {0, 10, 10}, {0, 10, -10}}],
   Glow[Hue[2 / 4]],
   Polygon[{{-10, 10, 0}, {-10, -10, 0}, {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]
```



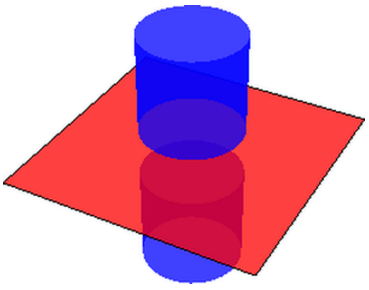
```
MakeImage["VeeAtom",
 Show[ParametricPlot3D[
   {(2 + Cos[β]) Cos[α], (2 + Cos[β]) Sin[α], Sin[β]},
   {α, π/10, 2 π - π/10}, {β, π/10, 2 π - π/10},
   Mesh → False, PlotStyle → {Glow[Red], Opacity[0.75]}
  ],
  Graphics3D[{
    Opacity[0.75],
    Glow[Blue],
    Polygon[{{-4, -4, 0}, {-4, 4, 0},
      {4, 4, 0}, {4, 1, 0}, {0, 0, 0}, {4, -1, 0}, {4, -4, 0}}],
    Glow[Green],
    Polygon[{{-4, 0, -3}, {-4, 0, -1},
      {0, 0, 0}, {-4, 0, 1}, {-4, 0, 3}, {4, 0, 3}, {4, 0, -3}}]
   }],
  Boxed → False, Axes → False, PlotRange → All, Lighting → None,
  ViewPoint → {1.94, -2.46, 1.25}, ViewVertical → {0.17, -0.17, 1.29}
 ],
 ImageSize → 300]
```



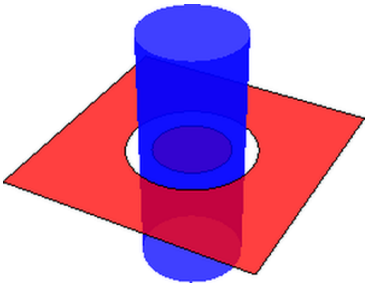
```
MakeImage["DoublePoint",
 Graphics3D[{
   Opacity[0.75],
   Glow[Red],
   Polygon[
    {{-4, -4, 0}, {-4, 4, 0}, {4, 4, 0}, {4, 1, 0}, {0, 0, 0}, {4, -1, 0}, {4, -4, 0}}],
   Glow[Blue],
   Polygon[
    {{-4, 0, -3}, {-4, 0, -1}, {0, 0, 0}, {-4, 0, 1}, {-4, 0, 3}, {4, 0, 3}, {4, 0, -3}}]
  },
  Boxed → False, Axes → False, PlotRange → All, Lighting → None,
  ViewPoint → {1.94, -2.46, 1.25}, ViewVertical → {0.17, -0.17, 1.29}
 ],
 ImageSize → 300]
```



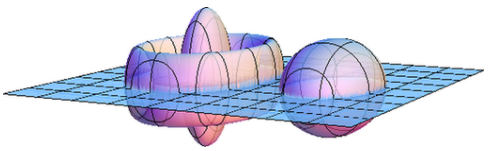
```
MakeImage["Xp",
 Graphics3D[{
   Opacity[0.75],
   Glow[Red], Polygon[{{-10, -10, 0}, {-10, 10, 0}, {10, 10, 0}, {10, -10, 0}}],
   Glow[Blue], CapForm[None],
   Tube[{{0, 0, 2}, {0, 0, 10}}, 4],
   Tube[{{0, 0, -2}, {0, 0, -10}}, 4]
  }, Lighting → None, Boxed → False],
 ImageSize → 300]
```



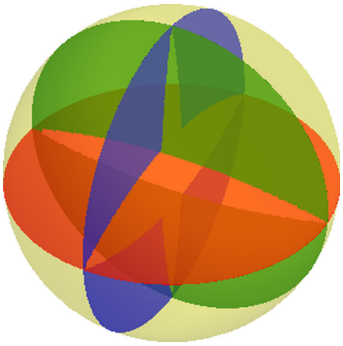
```
MakeImage["Xm",
 Show[{
   Graphics3D[{
     Opacity[0.75], Glow[Blue], CapForm[None],
     Tube[{{0, 0, -10}, {0, 0, 10}}, 4]
    }],
   Plot3D[0, {x, -10, 10}, {y, -10, 10},
    RegionFunction → Function[{x, y}, x^2 + y^2 ≤ 3^2 || x^2 + y^2 ≥ 5^2],
    Mesh → None, Axes → None, PlotStyle → {Opacity[0.75], Glow[Red]}
   ]
  }, Lighting → None, Boxed → False],
 ImageSize → 300]
```



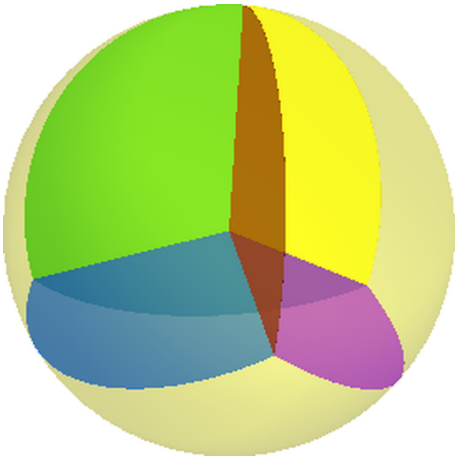
```
MakeImage["BubbleWrap",
 h[x_, y_] := (r = Sqrt[x^2 + y^2];
   Which[
    r ≤ 1, Sqrt[1 - r^2],
    2 ≤ r ≤ 3, Sqrt[(r - 2) (3 - r)],
    (x - 6)^2 + y^2 ≤ 4, 1/3 Sqrt[4 - (x - 6)^2 - y^2],
    True, 0
   ]);
 Plot3D[{h[x, y], -h[x, y]}, {x, -5, 10}, {y, -5, 5},
  PlotRange → All, Boxed → False, Axes → None,
  PlotPoints → 250, PlotStyle → {Opacity[0.75]}, Mesh → 8,
  ViewPoint → {1.54027, -2.96757, 0.520682}, ViewVertical → {0., 0., 1.}
 ],
 ImageSize → 600
]
```



```
MakeImage["ShieldedTriplePoint",
 Show[
  Graphics3D[{
    Opacity[0.25], Yellow, Sphere[{0, 0, 0}, 1]
   }, Boxed → False],
  ParametricPlot3D[
   {r Cos[θ], r Sin[θ], 0},
   {r, 0, 1}, {θ, 0, 2 π},
   Mesh → False, PlotStyle → {Opacity[0.75], Red}, PlotPoints → 150
  ],
  ParametricPlot3D[
   {r Cos[θ], 0, r Sin[θ]},
   {r, 0, 1}, {θ, 0, 2 π},
   Mesh → False, PlotStyle → {Opacity[0.75], Green}, PlotPoints → 150,
   RegionFunction → Function[{x, y, z, r, θ}, 8 Abs[z] ≥ 1 - x^2]
  ],
  ParametricPlot3D[
   {0, r Cos[θ], r Sin[θ]},
   {r, 0, 1}, {θ, 0, 2 π},
   Mesh → False, PlotStyle → {Opacity[0.75], Blue}, PlotPoints → 150,
   RegionFunction → Function[{x, y, z, r, θ}, 4 Abs[z] ≥ 1 - y^2 && 8 Abs[y] ≥ 1 - z^2]
  ],
  Lighting → "Neutral"
 ],
 ImageSize → 450, ViewPoint → {1.06422, -2.02233, 2.49552},
 ViewVertical → {-0.140349, 0.145661, 0.979329}]
```



```
MakeImage["ShieldedVertex",
 {v0, v1, v2, v3} = {{1, 1, 1}, {1, -1, -1}, {-1, 1, -1}, {-1, -1, 1}} // N;
 α = ArcCos[v0.v1 / Sqrt[(v0.v0) (v1.v1)]];
 CircularSector[v0_, v1_] := Polygon[{{0, 0, 0}}~Join~#] & /@ Partition[
    Table[RotationMatrix[θ, {v0, v1}].v0, {θ, 0, α, α / 72}],
    2, 1
   ];
 Graphics3D[{
   Opacity[0.25], Yellow, Sphere[{0, 0, 0}, Sqrt[3]],
   Opacity[0.75], Hue[0], EdgeForm[], CircularSector[v0, v1],
   Opacity[0.75], Hue[0.15], EdgeForm[], CircularSector[v0, v2],
   Opacity[0.75], Hue[0.3], EdgeForm[], CircularSector[v0, v3],
   Opacity[0.75], Hue[0.45], EdgeForm[], CircularSector[v2, v3],
   Opacity[0.75], Hue[0.6], EdgeForm[], CircularSector[v1, v3],
   Opacity[0.75], Hue[0.75], EdgeForm[], CircularSector[v1, v2]
  },
  Lighting → "Neutral", Boxed → False,
  ViewPoint → {2.97591, -1.53334, -0.492778},
  ViewVertical → {0.865466, 0.232794, 0.443593}
 ],
 ImageSize → 450
]
```



```
MakeImage["ColourWheel",
 s = "rggbrb";
 ImageCrop[PieChart3D[
   Table[1, {StringLength[s]}],
   ChartStyle :> (Characters[s] /. {"r" → Red, "g" → Green, "b" → Blue}),
   SectorOrigin → {{RandomReal[{0, 2 π}], "Counterclockwise"}, 1},
   ChartBaseStyle → EdgeForm[{Thickness[0.03], Black}],
   ChartElementFunction → "ProfileSector3D",
   ImagePadding → 0, ImageMargins → 0, PlotRangePadding → 0
  ]],
 ImageSize → 300]
```