

```
Det[{{2, 2, 3}, {6, 5, 6}, {1, 1, 2}}]
```

```
-1
```

```
Inverse[{{2, 2, 3}, {6, 5, 6}, {1, 1, 2}}]
```

```
{{-4, 1, 3}, {6, -1, -6}, {-1, 0, 2}}
```

```
Det[{{-4, 1, 3}, {6, -1, -6}, {-1, 0, 2}}]
```

```
-1
```

```
LUdecomposition[{{2, 2, 3}, {6, 5, 6}, {1, 1, 2}}]
```

```
{{{1, 1, 2}, {6, -1, -6}, {2, 0, -1}}, {3, 2, 1}, 1}
```

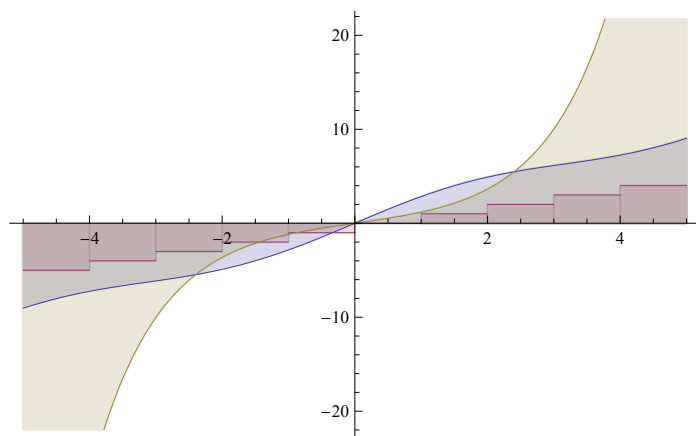
```
Orthogonalize[{{2, 2, 3}, {6, 5, 6}, {1, 1, 2}}]
```

```
{{{2, 2, 3}, {6, 5, 6}, {1, 1, 2}}}
```

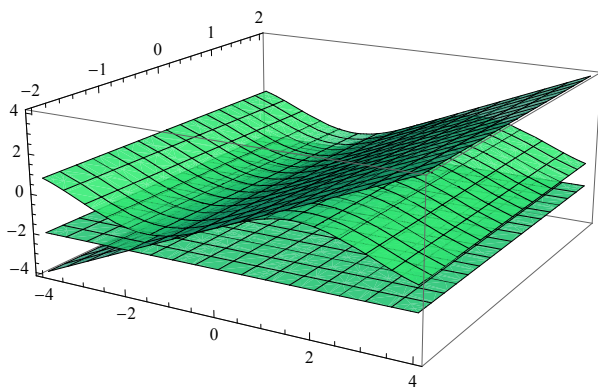
```
Det[{{2, 2, 3}, {6, 5, 6}, {1, 1, 2}}]
```

```
-1
```

```
Plot[{Sin[x] + 2 x, Floor[x], Sinh[x]}, {x, -5, 5}, Filling -> Axis]
```



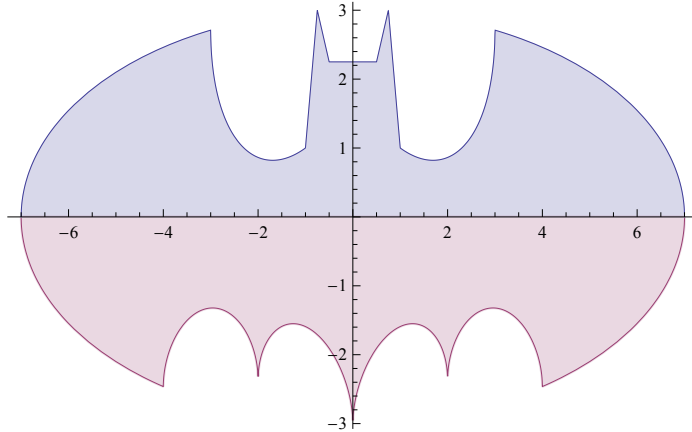
```
Plot3D[{-2, Sin[x], x}, {x, -4, 4}, {y, -2, 2},  
PlotStyle -> Directive[RGBColor[0.27, 1., 0.4], Opacity[0.878]]]
```



```

Plot[{With[{
  w = 3 * Sqrt[1 - (x / 7) ^ 2],
  l = (6 / 7) * Sqrt[10] + (3 + x) / 2 - (3 / 7) * Sqrt[10] * Sqrt[4 - (x + 1) ^ 2],
  h = (1 / 2) *
    (3 * (Abs[x - 1 / 2] + Abs[x + 1 / 2] + 6) - 11 * (Abs[x - 3 / 4] + Abs[x + 3 / 4])),
  r = (6 / 7) * Sqrt[10] + (3 - x) / 2 - (3 / 7) * Sqrt[10] * Sqrt[4 - (x - 1) ^ 2]},
  w + (1 - w) * UnitStep[x + 3] + (h - 1) * UnitStep[x + 1] +
  (r - h) * UnitStep[x - 1] + (w - r) * UnitStep[x - 3]],
(1 / 2) * (3 * Sqrt[1 - (x / 7) ^ 2] + Sqrt[1 - (Abs[Abs[x] - 2] - 1) ^ 2] + Abs[x / 2] -
  ((3 * Sqrt[33] - 7) / 112) * x ^ 2 - 3) * ((x + 4) / Abs[x + 4] - (x - 4) / Abs[x - 4]) -
  3 * Sqrt[1 - (x / 7) ^ 2]}, {x, -7, 7}, Filling -> Axis]

```



Formule za znak preuzete su sa [http : // mathworld.wolfram.com / BatmanCurve.html](http://mathworld.wolfram.com/BatmanCurve.html)

```
DSolve[y' [x] == y[x] * e^x, y[x], x]
```

$$\left\{ \left\{ y[x] \rightarrow e^{\frac{e^x}{\text{Log}[e]}} C[1] \right\} \right\}$$

$$\left\{ \left\{ y[x] \rightarrow e^{\frac{e^x}{\text{Log}[e]}} C[1] \right\} \right\} \llbracket 1, 1, 2 \rrbracket$$

$$e^{\frac{e^x}{\text{Log}[e]}} C[1]$$

```
DSolve[y' [x] == y[x] + e^x, y[x], x]
```

$$\left\{ \left\{ y[x] \rightarrow e^x C[1] + \frac{e^x}{-1 + \text{Log}[e]} \right\} \right\}$$

$$\left\{ \left\{ y[x] \rightarrow e^x C[1] + \frac{e^x}{-1 + \text{Log}[e]} \right\} \right\} \llbracket 1, 1, 2 \rrbracket$$

$$e^x C[1] + \frac{e^x}{-1 + \text{Log}[e]}$$