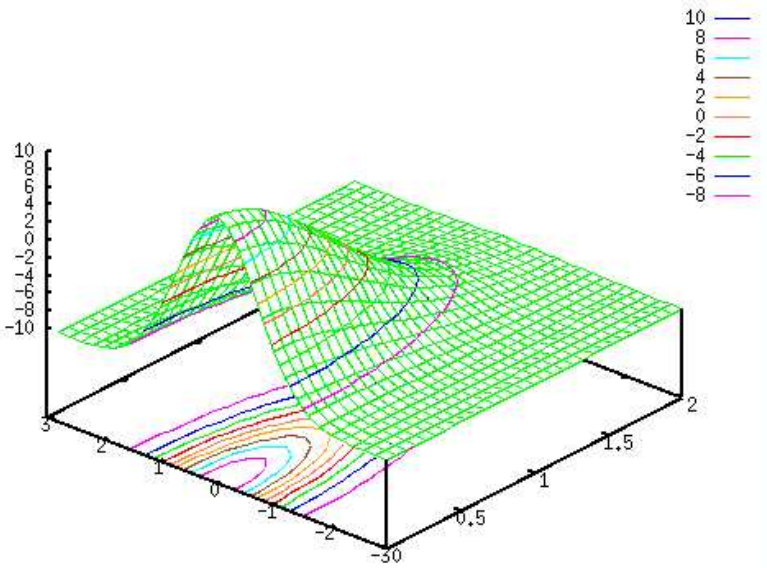
Gnuplot




```
(%i1) 'integrate('sum(x^i,i,1,5),
```

(%o1) $$\int_0^{\sqrt{5}} \sum_{i=1}^{5} x^i \, \mathrm{d}\, x$$

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(%i2) ev(%, nouns);
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(%o2) $$\frac{80\sqrt{5}+355}{12}$$

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(%i3) solve(x^3+x^2+1);
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(%o3) $$\left[x = \frac{\frac{\sqrt{3}\,\mathrm{i}}{2}-\frac{1}{2}}{9\left(\frac{3^{-\frac{3}{2}}\sqrt{31}}{2}-\frac{29}{54}\right)^{\frac{1}{3}}} + \left(\frac{3^{-\frac{3}{2}}}{2} \right. \right.$$

$$\left. \left. \frac{29}{54}\right)^{\frac{1}{3}}\left(\frac{\sqrt{3}\,\mathrm{i}}{2}-\frac{1}{2}\right) + \frac{-\frac{\sqrt{3}\,\mathrm{i}}{2}-\frac{1}{2}}{9\left(\frac{3^{-\frac{3}{2}}\sqrt{31}}{2}-\frac{29}{54}\right)^{\frac{1}{3}}} - \frac{1}{3}, x = \left(\frac{3^{\quad}\sqrt{31}}{2}-\frac{29}{54}\right) + \frac{1}{9\left(\frac{3^{-\frac{3}{2}}\sqrt{31}}{2}-\frac{29}{54}\right)^{\frac{1}{3}}} - \frac{1}{3} \right]$$

```
(%i4) (load(draw), draw3d(contour_levels = 15, contour = both, color=green,
      surface_hide = true, explicit(20*exp(-x^2-y^2)-10,x,0,2,y,-3,3)))$
(%i5)
```