

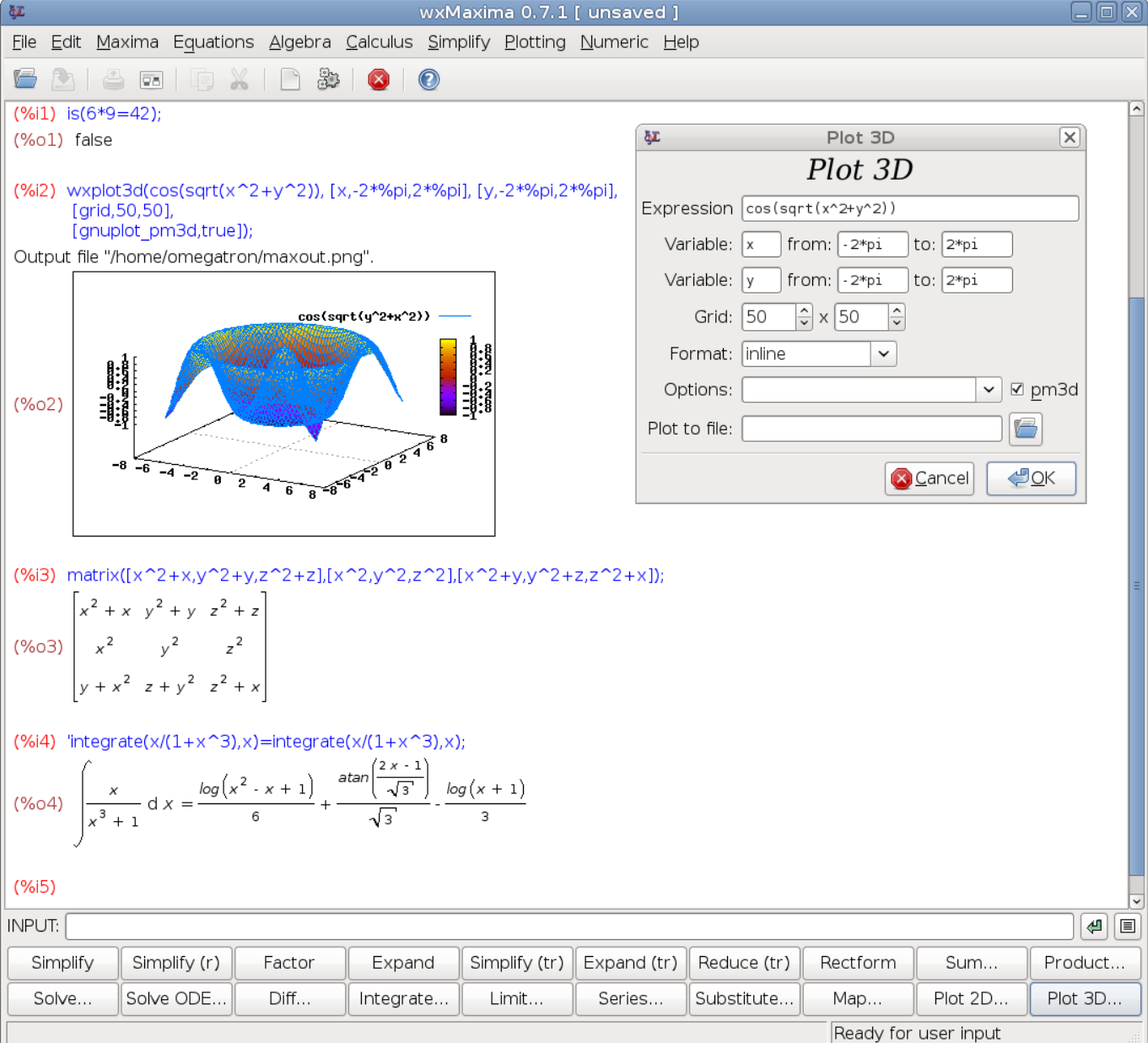
Maxima a wxMaxima - Algebra na počítači

 <http://wxmaxima.sourceforge.net/> <http://maxima.sourceforge.net/> <http://www.gnuplot.info/>

<http://maxima.sourceforge.net/documentation.html>

<http://maxima.sourceforge.net/docs/manual/en/maxima.html>

<http://wxmaxima.sourceforge.net/wiki/index.php/Tutorials>



wxMaxima 0.7.1 [unsaved]

File Edit Maxima Equations Algebra Calculus Simplify Plotting Numeric Help

(%i1) is(6*9=42);
(%o1) false

(%i2) wxplot3d(cos(sqrt(x^2+y^2)), [x,-2*%pi,2*%pi], [y,-2*%pi,2*%pi],
[grid,50,50],
[gnuplot_pm3d,true]);
Output file "/home/omegatron/maxout.png".

(%o2)

(%i3) matrix([x^2+x, y^2+y, z^2+z], [x^2, y^2, z^2], [x^2+y, y^2+z, z^2+x]);

(%o3)

$$\begin{bmatrix} x^2 + x & y^2 + y & z^2 + z \\ x^2 & y^2 & z^2 \\ y + x^2 & z + y^2 & z^2 + x \end{bmatrix}$$

(%i4) 'integrate(x/(1+x^3),x)=integrate(x/(1+x^3),x);

(%o4)

$$\int \frac{x}{x^3 + 1} dx = \frac{\log(x^2 - x + 1)}{6} + \frac{\operatorname{atan}\left(\frac{2x - 1}{\sqrt{3}}\right)}{\sqrt{3}} - \frac{\log(x + 1)}{3}$$

(%i5)

INPUT:

Simplify Simplify (r) Factor Expand Simplify (tr) Expand (tr) Reduce (tr) Rectform Sum... Product...
Solve... Solve ODE... Diff... Integrate... Limit... Series... Substitute... Map... Plot 2D... Plot 3D...
Ready for user input

Plot 3D

Expression: `cos(sqrt(x^2+y^2))`

Variable: x from: `-2*pi` to: `2*pi`

Variable: y from: `-2*pi` to: `2*pi`

Grid: 50 x 50

Format: inline

Options: ☐ pm3d

Plot to file:

Cancel OK

<http://www.abclinuxu.cz/clanky/programovani/hra-s-pismenky-wxmaxima>

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