



Maxima 5.9.0.1cvs <http://maxima.sourceforge.net>
 Distributed under the GNU Public License. See the file COPYING.
 Dedicated to the memory of William Schelter.
 This is a development version of Maxima. The function `bug_report()`
 provides bug reporting information.

(C1) `integrate(1/(1+x^4),x);`

$$(D1) \frac{\log(x^2 + \sqrt{2}x + 1)}{4\sqrt{2}} - \frac{\log(x^2 - \sqrt{2}x + 1)}{4\sqrt{2}} + \frac{\arctan\left(\frac{2x + \sqrt{2}}{\sqrt{2}}\right)}{2\sqrt{2}} + \frac{\arctan\left(\frac{2x - \sqrt{2}}{\sqrt{2}}\right)}{2\sqrt{2}}$$

(C2) `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]);`

$$(D2) \begin{pmatrix} x^2+x & y^2+y & z^2+z \\ x^2 & y^2 & z^2 \\ y+x^2 & z+y^2 & z^2+x \end{pmatrix}$$

(C3) `ode2('diff(y,x)+3*x*y = sin(x)/x,y,x);`

$$(D3) y = e^{-\frac{3x^2}{2}} \left(\int \frac{e^{\frac{3x^2}{2}} \sin x}{x} dx + \%C \right)$$

(C4) `expand((x+y)^5);`

$$(D4) y^5 + 5xy^4 + 10x^2y^3 + 10x^3y^2 + 5x^4y + x^5$$

(C5) I