



Maxima 5.42.1 <http://maxima.sourceforge.net>

using Lisp SBCL 1.4.5.debian

Distributed under the GNU Public License. See the file COPYING.

Dedicated to the memory of William Schelter.

The function bug\_report() provides bug reporting information.

(%i1) **block(load((" /usr/share/emacs/site-lisp/maxima/imaxima.lisp")), linenum:0)\$**

(%i1) **expand((x^2+2\*x+1)^5);**

(%o1) 
$$x^{10} + 10x^9 + 45x^8 + 120x^7 + 210x^6 + 252x^5 + 210x^4 + 120x^3 + 45x^2 + 10x + 1$$

(%i2) **integrate(sin(x)\*x, x);**

(%o2) 
$$\sin x - x \cos x$$

(%i3) **diff(x^x,x);**

(%o3) 
$$x^x (\log x + 1)$$

(%i4)