



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

using Lisp SBCL 1.4.5.debian

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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) **solve([I1=Id+I3,Id+I2=I4,E=I2*R2+I4*R4,E=I1*R1+I3*R3,I2*R2-I1*R1=0],[I1,I2,I3,I4,Id]);**

$$\left[\left[\begin{aligned} I_1 &= \frac{E R_2 R_4 + E R_2 R_3}{(R_2 (R_3 + R_1) + R_1 R_3) R_4 + R_1 R_2 R_3}, I_2 = \frac{E R_1 R_4 + E R_1 R_3}{(R_2 (R_3 + R_1) + R_1 R_3) R_4 + R_1 R_2 R_3}, \\ I_3 &= \frac{(E R_2 + E R_1) R_4}{(R_2 (R_3 + R_1) + R_1 R_3) R_4 + R_1 R_2 R_3}, I_4 = \frac{E R_2 R_3 + E R_1 R_3}{(R_2 (R_3 + R_1) + R_1 R_3) R_4 + R_1 R_2 R_3}, \\ I_d &= -\frac{E R_1 R_4 - E R_2 R_3}{(R_2 (R_3 + R_1) + R_1 R_3) R_4 + R_1 R_2 R_3} \end{aligned} \right] \right]$$

(%i2)

U:**- *maxima* All L11 (Inferior Maxima: run)

Processing Maxima output...done