

SageTeX Example

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Algebra/Topology Seminar, February 7, 2013

With SageTeX you can use Sage to compute and put stuff in your L^AT_EX document. Here are a couple silly examples.

- The first fifty decimal digits of π are:

3.14159265358979323846264338327950288419716939937511 ...

- The inverse of the matrix $\begin{pmatrix} 0 & 1 & 2 \\ 1 & 0 & 3 \\ 4 & -3 & 8 \end{pmatrix}$ is $\begin{pmatrix} -\frac{9}{2} & 7 & -\frac{3}{2} \\ -2 & 4 & -1 \\ \frac{3}{2} & -2 & \frac{1}{2} \end{pmatrix}$.

- $\begin{bmatrix} 0 & 1 & 2 \\ 1 & 0 & 3 \\ 4 & -3 & 8 \end{bmatrix} \begin{bmatrix} 1 & x & y \\ 0 & 1 & z \\ 0 & 0 & 1 \end{bmatrix} = \begin{bmatrix} 0 & 1 & z+2 \\ 1 & x & y+3 \\ 4 & 4x-3 & 4y-3z+8 \end{bmatrix}$.