α - T_EX

LATEX Meets Wolfram

 α - T_EX is a LATEX package which incorporates the type setting ease on control of LATEX with the power of the Wolfram Language. Some examples are seen below.

\usepackage{alphatex}

Graphics

 $\proonup {\rm Tan[x], {x, 0, 2*Pi}]}{\rm tan}$

\begin{figure}[h!]
\centering
\includegraphics[width=0.6\textwidth]{tan.png}
\caption{Plot of \$\tan(x)\$ generated with the Wolfram API}
\end{figure}

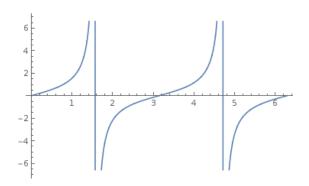


Figure 1: Plot of tan(x) generated with the Wolfram API

\graphic{ListPlot[{1,2,2.5,2.9,3} ,PlotStyle->Red,Axes->False,Frame->True]}{plot}

\begin{figure}[h!]
\centering
\includegraphics[width=0.6\textwidth]{plot.png}
\caption{Some points plotted with the Wolfram API}
\end{figure}

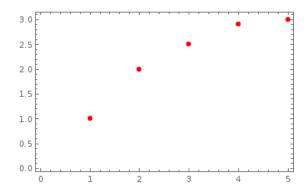


Figure 2: Some points plotted with the Wolfram API

Calculations

Wolfram Alpha

The biggest city in china is \$\WolframAlpha{ biggest city in china }\$.

The biggest city in china is Shanghai.

The integral of $\sin(x)$ is $\MolframAlphaMath{ integrate sinx }}.$ The integral of $\sin(x)$ is $-\cos(x)$.