

Rendering PGF plots inside Quarto

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Rendering pgf plots directly in Quarto.

blog: [link](#)

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This is a quick tip on rendering pgf plots inside Quarto directly. You need to create a chunk like the following. The header of the chunk runs the tikz engine with the template option.

Here is the complete code of the chunk in Quarto format:

```
#| label: fig-pgfplot
#| echo: false
#| fig-cap: "PGF plot rendered in Quarto."
#| engine: tikz
#| engine-opts:
#|   template: tikz2pdf.tex
\begin{tikzpicture}
  \begin{axis}
    \addplot3[surf,domain=0:360,samples=40]
      {sin(x)*sin(y)};
  \end{axis}
\end{tikzpicture}
```

```
\documentclass{article}
\usepackage{paralist,pst-func, pst-plot, pst-math, pstricks-add,tikz,pgfplots}
\usetikzlibrary{patterns,matrix,arrows}
\pgfplotsset{compat=1.16}
\usepgfplotslibrary{fillbetween}
\usetikzlibrary{patterns}
\usepackage[pdftex,active,tightpage]{preview}
\usepackage{amsmath}
\usetikzlibrary{matrix}
\begin{document}
```

```

\include{preview}
\begin{preview}
%% TIKZ_CODE %%
\end{preview}
\end{document}

```

Once evaluated, the image will look like [Figure 1](#):

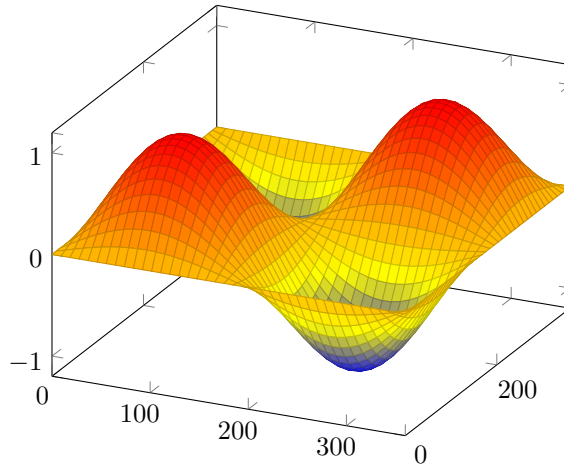


Figure 1: PGF plot rendered in Quarto.

And that's it!