

The pgfplotsthemebeamer package

Using colours from the current beamer theme in pgfplots

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<https://github.com/samcarter/pgfplotsthemebeamer>

<https://ctan.org/pkg/pgfplotsthemebeamer>

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1 Introduction

Beamer themes often use carefully composed colour schemes. The `pgfplotsthemebeamer` package allows to reuse these colours in diagrams created with `pgfplots`. This ensures a consistent colour scheme throughout the presentation and avoids unsightly colour clashes.

The package is included in TeXLive and available from CTAN (<https://www.ctan.org/pkg/pgfplotsthemebeamer>). The development version of this package is located at <https://github.com/samcarter/pgfplotsthemebeamer>. If you have any problems, ideas or other feedback, please make constructive use of the issue tracker.

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2 Usage

The basic usage is fairly simple. After loading the `pgfplotsthemebeamer` package, plots can use the `beamercolor` option to use the colours from the current beamer theme in the diagram:

Usage

```
\usepackage{pgfplotsthemebeamer}
```

```
\begin{axis}[  
  beamercolors  
]
```

```
...
```

```
\end{axis}
```

The graphs will be coloured in the beamer colours `structure`, `alerted text` and `example text`. In most beamer themes, these three colours form an easily distinguishable set of colours.

Users who would like to use the `beamercolors` scheme for all `pgfplots` diagrams in the presentation, can load the package with the `all` option, which will make this colour scheme the default.

Usage

```
\usepackage[all]{pgfplotsthemebeamer}
```

3 Full example

Basic example

```
\documentclass{beamer}

\usetheme{moloch}% just as an example for a colour theme
\usepackage{pgfplotsthemebeamer}

\begin{document}

\begin{frame}[plain]
\centering
\begin{tikzpicture}
\begin{axis}[
beamercolors
]
\addplot {x}; \addplot {x-1}; \addplot {x-2}; \addplot {x-3}; \addplot {x-4};
\addplot {x-5}; \addplot {x-6}; \addplot {x-7}; \addplot {x-8};
\end{axis}
\end{tikzpicture}
\end{frame}

\end{document}
```

