STOCKHOLM BEAMER THEME

sthlm version 0.6 is based on the hsrm theme

20130731-093333-rs2.2B-TemplatesthlmBeamerTheme

`HendryOlson.com`

Made in *Sweden*

Overview

1. Background

2. Updates

3. Structure

4. Features

5. Tutorial

Background

Beamer is a LaTeX class for creating beautiful presentations.

The sthlm Beamer Theme:

○ written using utf8 encoding
○ should compile using pdfLaTeX

Updates

Nᴇᴡ in version 0.6

○ `beamerthemesthlm.sty`
- ○ Removed log from header
- ○ Removed vertically aligned columns support
- ○ Removed listings package support
- ○ Added PxFont option to use the fonts:[1]
    - ○ newpxtext
    - ○ newpxmath

---

[1]This presentation is using the NewPX fonts

Structure

sthlmLightRed
sthlmGreen
sthlmDarkBlue
sthlmDarkGrey
sthlmLightGrey

| sthlmLightRed |
| sthlmGreen |
| sthlmDarkBlue |
| sthlmDarkGrey |
| sthlmLightGrey |

sthlmRed
sthlmYellow
sthlmLightYellow
sthlmLightBlue
sthlmBlue
sthlmPurple
sthlmGrey

| sthlmRed |
| sthlmYellow |
| sthlmLightYellow |
| sthlmLightBlue |
| sthlmBlue |
| sthlmPurple |
| sthlmGrey |

This theme requires that:

1. it is compiled using pdflatex
2. the following packages are installed
    2.1 {beamer}
    2.2 {eso-pic}
    2.3 [utf8]{inputenc}
    2.4 {pgf}
    2.5 {verbatim}
    2.6 {xcolor}

To use the newpx fonts option you need the following packages:

- ○ {newpxtext}
- ○ {newpxmath}
- ○ [T1]{fontenc}

To enable the `newpxtext` and `newpxmath` fonts include the PXFONT class option.

- ○ \documentclass[compress,PxFont]{beamer}

This theme comes with some options to change it's appearance.

Option	Description
nosectionpages	Section pages will be supressed.
PxFont	newpxtext and newpxtext will be used.

The default Beamer Box

Block Title Here

○ point 1
○ point 2

```
\begin{block}{Block Title Here}
    \begin{itemize}
        \item point 1
        \item point 2
    \end{itemize}
\end{block}
```

ALERT BLOCK

Highlight important information.

```
\begin{alertblock}{Alert Block}
    Highlight important information.
\end{alertblock}
```

Example Block

Examples can be good.

```
\begin{exampleblock}{Example Block}
    Examples can be good
\end{exampleblock}
```

Green customization

Using the theme colors to generate colored blocks.

```
\begingroup
\setbeamercolor{block title}{fg=black, bg=sthlmGreen}
\setbeamercolor{block body}{bg=sthlmLightGrey}
\begin{block}{Custom Blocks}
    Using the theme colors to generate colored blocks.
\end{block}
\endgroup
```

Features

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Table: Selection of window function and their properties

Window	First side lobe	3 dB bandwidth	Roll-off
Rectangular	13.2 dB	0.886 Hz/bin	6 dB/oct
Triangular	26.4 dB	1.276 Hz/bin	12 dB/oct
Hann	31.0 dB	1.442 Hz/bin	18 dB/oct
Hamming	41.0 dB	1.300 Hz/bin	6 dB/oct

Fourier Integral

$$F(j\omega) = \int\limits_{-\infty}^{\infty} f(t) \cdot e^{-j\omega t}\, dx$$
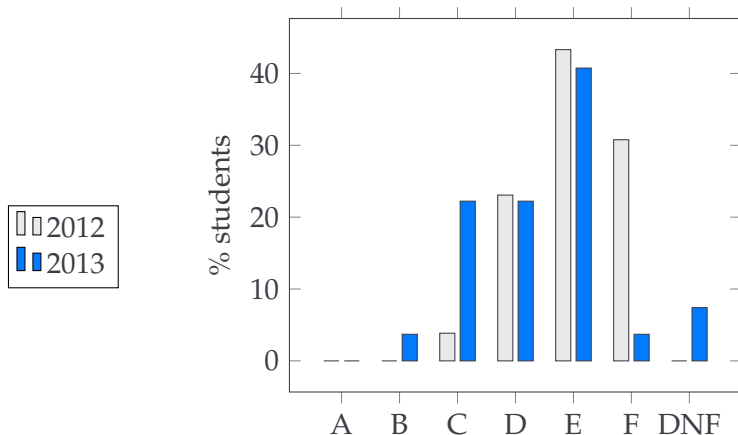
Figure: Consistent improvement over the last year
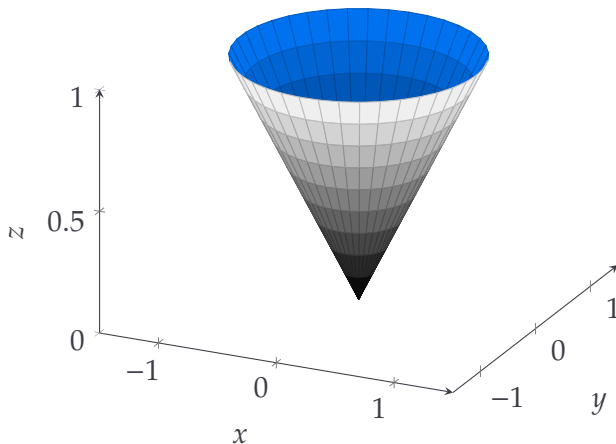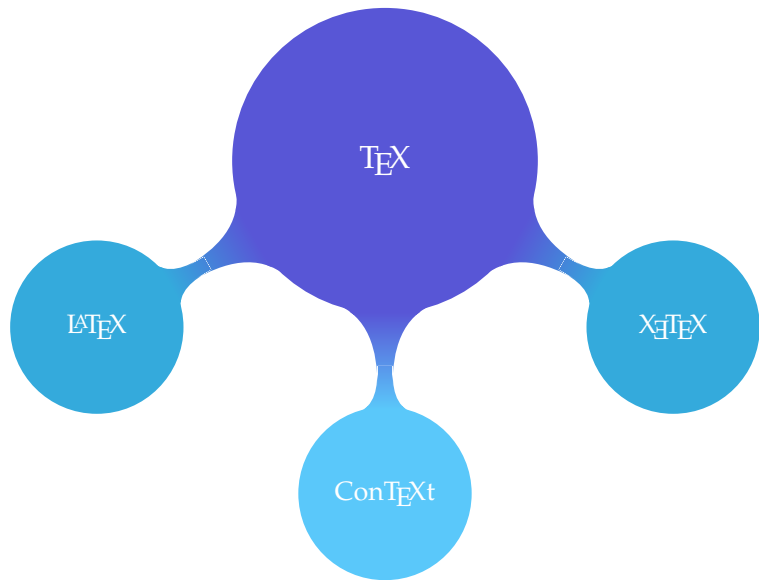
PGFPlots 3-D Example

Figure: Easily add beautiful plots

Tutorial

Presentation Structure

A section page will be generated and the section name included in the presentation header for each section of the presentation with the current section being emphasized. If you include subsections in your presentation, then a small block will appear under the section name in the header for each frame. Once a frame has been viewed it will turn green.

It's worth noting that a frame can make up multiple slides.

```
\section{Main Section}
\subsection{Main Subsection}
\begin{frame}
\frametitle{Presentation Stucture}
% Frame Contents Here
\end{frame}
```

Table of Contents

Include a listing of the presentation's sections

```
\maketitle
```

For those longer presentations - keep the table of contents
compact.

```
\begin{frame}{Overview}
    \tableofcontents[hideallsubsections]
\end{frame}
```

At any time you can highlight text by using the definition:

○ THIS IS SUPER IMPORTANT!

There are a couple different ways in which you can present your presentation.

○ Splitshow (Mac OS X)
  `https://code.google.com/p/splitshow/`

○ pdf-presenter (Windows)
  `https://code.google.com/p/pdf-presenter/`

Notes

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Let me include a note for this particular slide.

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Multiple Columns

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

- Point 1
- Point 2

📕 Alan V. Oppenheim
Discrete - Time Signal Processing
Prentice Hall Press, 2009

📄 European Broadcasting Union
Specification of the Broadcast Wave Format (BWF)
2011

About

This sthlm beamer theme is free software: you can redistribute
it and/or modify it under the terms of the GNU General Public
License as published by the Free Software Foundation, either
version 3 of the License, or (at your option) any later version.
If you have any questions or comments

○ mark@hendryolson.com

31