Stockholm Beamer Theme

sthlm v1.0.0 is based on hsrm & mTheme

v42.org by Mark Olson

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Made in *Sweden*

sthlm Theme Information

This is an UNOFFICIAL beamer theme for Stockholms stads International School of the Stockholm Region. It is neither supported nor is it endorsed by Stockholms stad.

WARNING PROPRIETARY FONT USED

This theme can makes use of the proprietary Stockholms stad font, which is not publicly available.
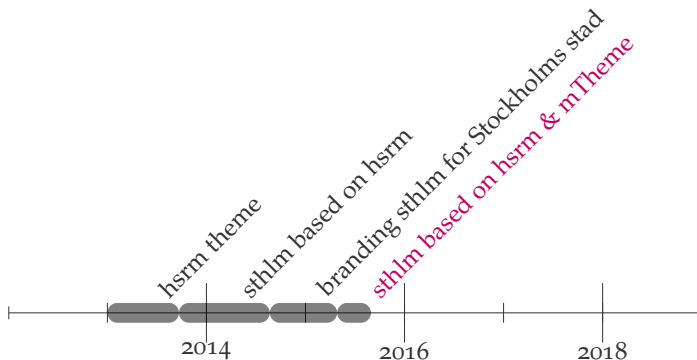
sthlm theme has been designed to build within my production environment & support my teaching at Stockholms Stad: ISSR.

Warning of Build Issues

I cannot guarantee that the code used to create the sthlm theme is error free nor if it will work in your production environment.

In fact, I would highly recommend that you use mtheme instead of sthlm.

sthlm Built on HSRM & mTheme

sthlm Theme is heavily based on the work of Benjamin Weiss
HSRM and Matthias Vogelgesang mTheme.

Overview

Background

Beamer is a LaTeX class for creating beautiful presentations.

The sthlm Beamer Theme:

○ written using utf8 encoding $\dfrac{dy}{\cos(\theta)} = 5x^4 + x_0 + \sqrt{5}$

○ should compile using pdfLaTeX $\sqrt{4} + \sqrt[3]{4} + 66$

Updates

NEW 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:
        - ○ newpxtext
        - ○ newpxmath

Colors

Color Style File

The sthlm theme style file `beamerthemesthlm.sty` references the `beamercolorthemesthlm.sty` file for the theme colors.

Note:

The original sthlm color theme can now be used in place of Stockholm Stads color palette by including `\usecolortheme{sthlmv42}` in the preamble.

Primary Presentation Colors

DarkGrey

RGB: 51, 51 , 51
hex: #333333

Blue

RGB: 0,110,191
hex: #006ebf

Red

RGB: 196,0,100
hex: #c40064

Green

RGB: 0,134,127
hex: #00867f

Grey

RGB: 245,243,238
hex: #f5f3ee

Light Blue

RGB: 214,237,252
hex: #d6edfc

Light Red

RGB: 254,222,237
hex: #fedeed

Light Green

RGB: 0,134,127
hex: #d5f7f4

Secondary Presentation Colors

Orange

RGB: 221,74,44
hex: #dd4a2c

Purple

RGB: 93,35,125
hex: #5d237d

Yellow

RGB: 252,191,10
hex: #fcbf0a

ISSR Blue

RGB: 0,111,174
hex: #0066cc

Light Orange

RGB: 255,215,210
hex: #ffd7d2

Light Purple

RGB: 241,230,252
hex: #f1e6fc

ISSR Grey

RGB: 167,169,172
hex: #999999

Theme Package Requirements

This theme requires that the following packages are installed:

- ○ {beamer}
- ○ {calc}
- ○ {eso-pic}
- ○ [utf8]{inputenc}

- ○ {listings}
- ○ {pgf}
- ○ {xcolor}

Frame Colored Backgrounds

You can change the color of a frame background by placing the frame within a group:

```
\begingroup
\setbeamercolor{background canvas}{bg=
    sthlmLightRed}
\begin{frame}
    % Your frame content goes here
\end{frame}
\endgroup
```

Or maybe you want a blank blue frame to work with

```
\
\setbeamercolor{background canvas}{bg=sthlmBlue}
\    [plain]{frame}
    % Your frame content goes here
\   {frame}
\
```

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}`

Theme Options

Option	Description
noprogressbar	Frame Title progress bar will be suppressed
nosectionpages	Section pages will be suppressed.
nopagenumbers	Page Numbers will be suppresed
newPxFont	newpxtext and newpxtext fonts will be used (pdfLaTeX)
sthlmStadFont	Proprietary Stockholms Stad fonts will be used (XeTeX)

Blocks

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}
```

Custom Blocks

Purple customization

Using the theme colors to generate colored blocks.

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

Features

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Tables

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

$$F(\mathrm{j}\omega) = \int\limits_{-\infty}^{\infty} f(t) \cdot \mathrm{e}^{-\mathrm{j}\omega t}\,\mathrm{d}x$$
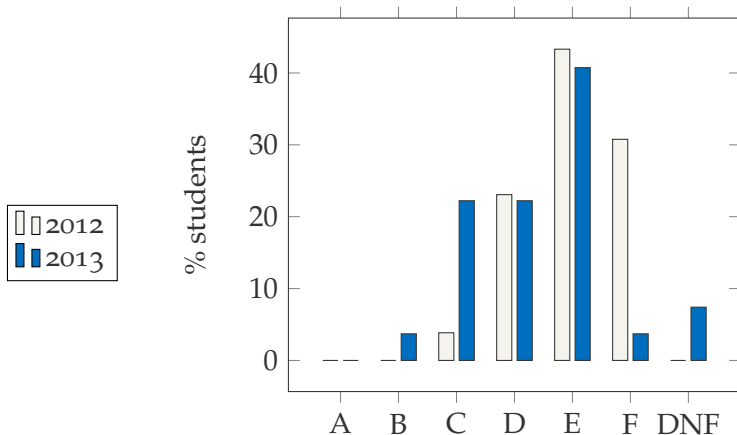
Figure: Consistent improvement over the last year

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/

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

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