Polynom

A modern, clean 16:9 beamer template

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Motivation

This theme is developed to match PowerPoint-Templates by Alexander Bartolomey GitLab / Hub.
It is developed because of the lack of clean LaTeX-Templates that are designed with 16:9 in mind. (Also I did not want to use the theme provided by my university)

Preamble

I highly recommend the use of XeLaTeX, especially the unicode and font support are very beneficial for the creation of presentations.
Nevertheless, we will try to keep the theme working on standard LaTeX, but the theme will propably be less tested on LaTeX

Features

Clean and pleasing: Framedesign

To use stapled Headlines, you have to specify

- the upper line with `\framesubtitle{...}`
- the lowe (main) line with `\frametitle{...}`

Math in Polynom

Looks verry nice, thanks to serifs and boldfaced letters

$$\boldsymbol{A} = \boldsymbol{U}\boldsymbol{\Sigma}\boldsymbol{V}^{\boldsymbol{T}}$$

for every matrix $\boldsymbol{A} \in \mathbb{R}^{\boldsymbol{m}\times\boldsymbol{n}}$ with

$$\boldsymbol{\Sigma} := \mathbf{diag}(\boldsymbol{\sigma}_1, \ldots, \boldsymbol{\sigma}_{\boldsymbol{p}}) \in \mathbb{R}^{\boldsymbol{m}\times\boldsymbol{n}}, \boldsymbol{p} = \mathbf{min}(\boldsymbol{m}, \boldsymbol{n})$$

Section Titles

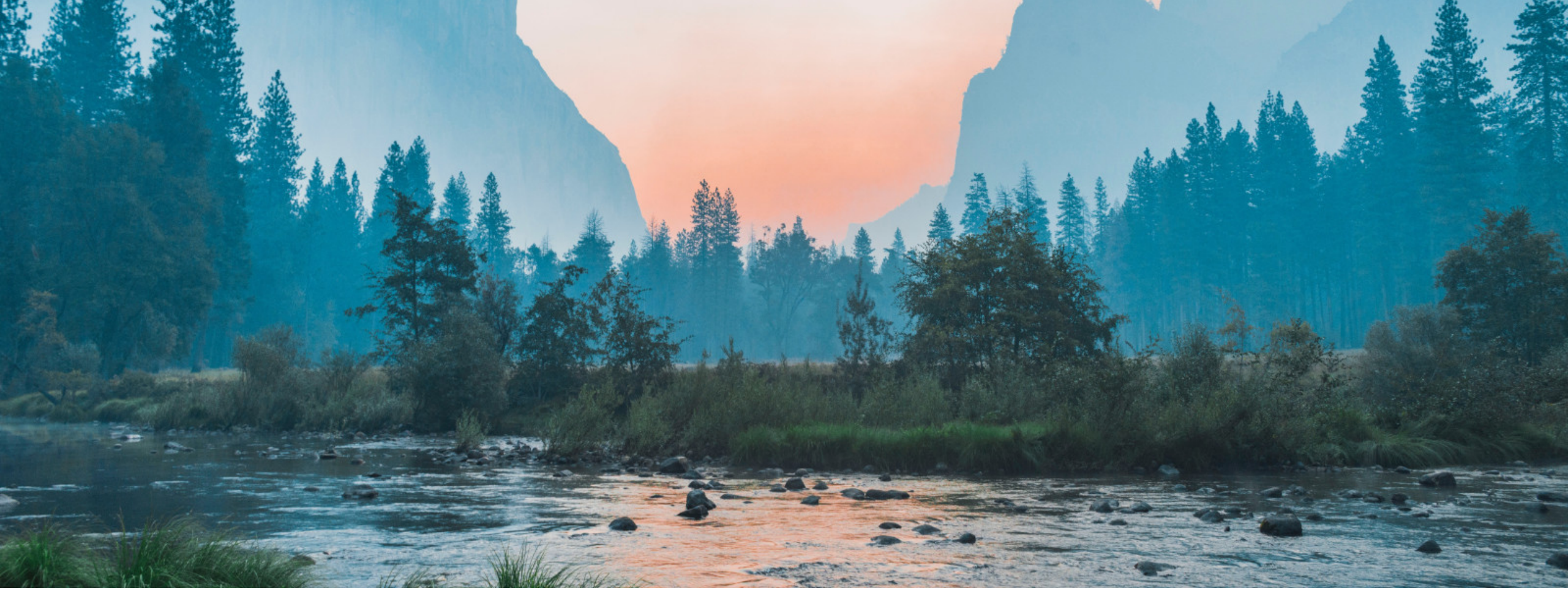
Section Titles

- Activated by default
  - deactivated by calling polynom with `\usetheme[sectiontitles=f]{polynom}`
- For Sections, Subsections and Subsubsections

Special Feature
Images on Sectiontitles

To add an image to the title of the next section, call `\nextsectionimage {\#1}`, where `\#1` is the image file, as you would specify it for `\includegraphics`. Keep in mind, that the image height **always** will be matched to the height of the bar, which has an aspect-ratio of 8:3.

See next slide for an example (Photo by Bailey Zindel on Unsplash)



Font Selection

Main font

As a main font, we to use a heavy bold-face geometric typeface. We might use Googles Product Sans, but since it is not available due to licensing, there are several alternativs:

- TEXGyre Adventor (Free) (Works for LATEXand XeLATEX, used in this document)
- Futura PT Heacy
- Helvetica LT
- Gillius ADF (Free)
- Karla (Free)
- Montserrat (Free)

Mono Font

Any monospace font you like, we prefere Fira Mono. Please do not use Fira Code or other fonts with programming ligatures for your presentations because viewers, who do not know them, can (and will!) get confused by XeLaTeX ligature support, e.g. condensing !== to three horizontal lines with one skewed vertical right through it.

Textsizes

tiny scriptsize footnotesize small normalsize (Default) large Large LARGE huge Huge

Color-Palette

Default Color-Theme

The default palette consists of the following colors:

palette primary	palette secondary	palette tertiary	palette quaternary

Color Theme polynomseconddegree

Load it via `\usebeamercolortheme {polynomseconddegree}`. The main-palette consists of the following colors:

palette primary | palette secondary | palette tertiary | palette quaternary

`polynomseconddegree` provides additional colors-schemes, which you can switch dynamically, the default one can be restored by by

`\setPaletteBlue`

Red
Color Theme
polynomseconddegree

To use the red color-scheme, call `\setPaletteRed` before the first frame you want to use it on (also affects section-titles etc.)

palette primary	palette secondary	palette tertiary	palette quaternary

Green Color Theme polynomseconddegree

To use the green color-scheme, call `\setPaletteGreen` before the first frame you want to use it on (also affects section-titles etc.)

palette primary | palette secondary | palette tertiary | palette quaternary

Banner-Pages

Banner Pages

To highlight important messages, you can create bannerpages with the following code:

```
\setbeamertemplate {banner page}[polynom][Bannerpagetext]
```

Now you have to use this on your next frame:

```
\usebeamertemplate {banner page}
```

buzzword!

If you replace `banner page` by `banner page invert`, you get an...

inverted banner page!

Postamble

Development

This theme is under active development, to match the powerpoint-template, so that the powerpoint and LaTeX–template will be usable in a similar (even though not completly identical (eyes on ligature–support and animations) way.
The development takes place in `this` repo, please submit any bugreports or feature requests there.

Thanks

Many thanks to Alexander Bartolomey for the great Power-Point Template and his work on the LaTeX-Implementation.