UVT Theme Template

Example Stylings of the UVT Theme

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UVT Theme

A short introduction to the West University of Timișoara Theme

The **UVT Theme** (used as `\usetheme{uvt}`) is a modern theme for Beamer based on the official **UVT branding**[1]. Some of its elements and styling are inspired by **Trigon** theme[2].

It comes with a few nifty features:

- Use of the official color scheme for UVT throughout.
- Customized environments.
- As close as possible to the official template.

Separate parts are available as e.g. `\usecolortheme{uvt}`!

[1] https://dci.uvt.ro/identitate-vizuala

[2] https://gitlab.com/thlamb/beamertheme-trigon

Styling Elements

Animations

Math and Coding

UVT Theme: Colors and Fonts

This theme uses the *TeX Gyre Heros* font. This is a clean *sans serif* open source font with a heavy Helvetica inspiration. The official UVT branding recommends using the *Helvetica Now Display* font, if available.

The theme has three standard colors:

- A nice **light blue** (`UVTLightBlue`).
- A nice **sky blue** (`UVTSkyBlue`).
- A bolder **dark blue** (`UVTDarkBlue`).
- An attention grabbing **yellow** (`UVTBeamerYellow`)!
- Variants `color!x` can also be used to darken or lighten them.

These can be used for emphasizing text or for more obvious **alerts**. Standard **bold** and *italic* emphasis can of course also be used!

UVT Theme: Blocks

We have various standard Beamer blocks styled in a pleasing fashion.

Block 1

Some block block.

Alert 1

Some alert block.

Example 1

Some example block.

UVT Theme: Lists

Itemize

- Itemize lists are nicely customized ...
  - All the way down ...
    - To the third level!

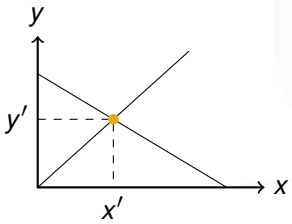
Enumerate

1. We can also enumerate!
2. Many things!
3. It's great!

Description

UVT And describe our university in exquisite detail, so that we can capture all its multiline greatness!

UVT Theme: Figures



A simple figure.

Largest cities in the world (source: UN 2018 population estimates from Wikipedia)

City	Population
Tokyo	37,468,000
Delhi	28,514,000
Shanghai	25,582,000
São Paulo	21,650,000

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UVT Theme: Animations

You can do a standard reveal with `[<+->]`.

- This is really important.
- Now this.
- And now this.

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- Now this.
- And now this.

You can also do an alerted reveal with `[<+- | alert@+>]`.

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UVT Theme: Animations

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Math and Coding

Inline math looks clean: the solution to $ax^2 + bx + c = 0$ is $x = \dfrac{-b \pm \sqrt{b^2 - 4ac}}{2a}$.

Display equations are centered and numbered:

$$\int_{-\infty}^{\infty} e^{-x^2}\,\mathrm{d}x = \sqrt{\pi}. \tag{1}$$

Aligned multi-line derivations work too:

$$\begin{aligned} e^{i\theta} &= \cos\theta + i\sin\theta, \\ e^{i\pi} + 1 &= 0. \end{aligned}$$

We have various standard Beamer theorems styled in a pleasing fashion.

Definition

We declare that things are defined.

Theorem (Existence & Uniqueness)

Our theorem exists and is unique.

Lemma

If the theorem holds, so does this lemma.

UVT Theme: Math and Coding

Example Code Listing

Newton's method in Python

```python
def newton(f, df, x0, tol=1e-9, max_iter=100):
    """Find a root of f using Newton's method."""
    x = x0
    for _ in range(max_iter):
        fx = f(x)
        if abs(fx) < tol:
            return x  # converged
        x -= fx / df(x)
    raise RuntimeError("Did not converge")

# Example: sqrt(2) as root of x^2 - 2
root = newton(lambda x: x**2 - 2, lambda x: 2*x, x0=1.0)
```