

KENOTOM

EMBEDDED
ENGINEERING
EXCELLENCE



"Kenotom" theme demonstration



March 26, 2023

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Introduction

This theme contains:

- ✓ beamer style configurations to match kenotom presentation styles
- ✓ extra kenotom environments `\tickmarks`, `\bullets`
- ✓ extra kenotom commands like `\BeginCountingFrames`, `\OutlineFrame`, `\BackFrame`

Examples

Beside kenotom specific, some basic \LaTeX examples of commonly used commands and features are included, to help you get started.

theme option

There are 3 variation to select.

- `[theme=light]` - the official theme
- `[theme=classic]` (*default*) - A darker font theme, for technical content.
- `[theme=dark]` - A dark background theme.

Bellow you can see samples of the variations.

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Navigation icons 3/16

Figure 1: `[theme=light]`

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Navigation icons 3/16

Figure 2: `[theme=classic]`

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Navigation icons 3/16

Figure 3: `[theme=dark]`

Other options

1. There are 3 variation for frame title size:
 - [title=normal] (default)
 - [title=small]
 - [title=large]
2. [nonavigation] can disable the navigation bar.
3. [fancy] can enable the extra “fancy” slides.
 - Car title frame
 - Fancier outline frame
 - Section starting frames

note: This can slow down compilation.



Figure 6: Fancy slides

04

LaTeX Examples



Let X_1, X_2, \dots, X_n be a sequence of independent and identically distributed random variables with $E[X_i] = \mu$ and $\text{Var}[X_i] = \sigma^2 < \infty$, and let

$$S_n = \frac{X_1 + X_2 + \dots + X_n}{n} = \frac{1}{n} \sum_i^n X_i$$

denote their mean. Then as n approaches infinity, the random variables $\sqrt{n}(S_n - \mu)$ converge in distribution to a normal $\mathcal{N}(0, \sigma^2)$.

Inserted code fits naturally to frame. See the `\lstlisting` example bellow.

```
#include <concepts>

template<std::integral T>
T gcd(T a, T b) {
    //! Unchecked precondition: (a != 0 || b != 0)
    while (true) {
        if (b == T(0))
            return a;
        a = remainder(a, b); // Floyd and Knuth remainder
        if (a == T(0))
            return b;
        b = remainder(b, a); // Floyd and Knuth remainder
    }
}
```

Tables

Use `\tabular` for basic tables — see Table 1, for example.

Leading digit	Frequency
1	0.301
2	0.176
3	0.125
4	0.097
5	0.079
6	0.067
7	0.058
8	0.051
9	0.046

Table 1: Benford's law frequencies.

Figure Example

To include figures in your document, use the `\includegraphics` command (see the comment below in the source code).

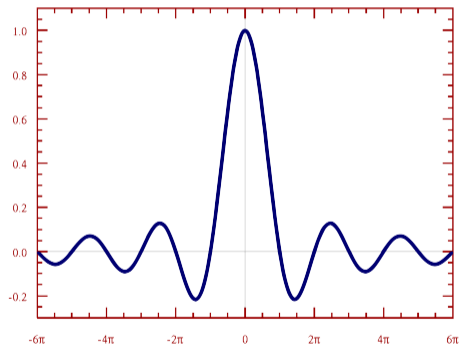


Figure 7: Filter kernel

Off-course you can use overlays to create multi-slide frames and reveal information on the slides gradually!

- ✓ First point.
- ✓ Second point.
- ✓ Third point.

Now we see the 3rd point!

Off-course you can use overlays to create multi-slide frames and reveal information on the slides gradually!

- ✓ First point.
- ✓ Second point.
- ✓ Third point.

And so much more. For details see [here](#)



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Embedded Engineering Excellence

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