CS 124 Operating Systems

1 Lecture notes template

This template was meant to be used for lecture notes. It has a lot of useful shorthand commands, packages and settings defined to make lecture note writing an effortless process. Refer to section 2 for some examples.

2 Features

Most of the features of this template come from different TeX snippets defined in the latex-common Rammy module. Check its GitHub page for the full list of a available snippets.

2.1 Snippet: compact-header

The small header you see at the top of this page is a part of this template. You can customise its content by (re)defining the \HeaderTitle command.

This snippet also defines the page margins.

2.2 Snippet: symbols

This template includes a lot of useful Math symbols. Here's a quick preview:

$\mathbb{R}^n \times \mathbb{R}^m$	$\mathbb{M}_{r \times k}$	$\mathbb{C},\mathbb{Z},\mathbb{Q}$
$f: \mathbb{R}^n \to \mathbb{R}$	$\left. \frac{df}{dt} \right _{t=4}$	$A\otimes B$
$\langle v, u \rangle$	$\langle \cdot, \cdot \rangle$	$\ *\ A$
$\mathbb{E}\left[x\right]$	$U \perp \!\!\! \perp V$	$\Pr(x \mid y)$

See the source code of the symbols snippet for more info.

2.3 Snippet: code

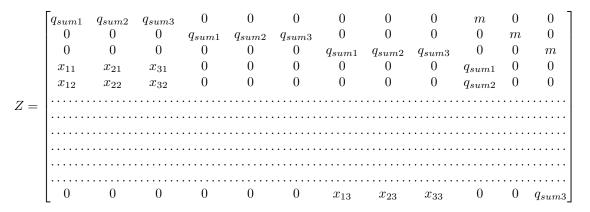
As the name implies, this snippet adds a bunch of code-related features. Code snippets should be inserted using the lstlisting environment:

```
/**
 * This code snippet was taken from Rammy CLI tests.
 */
describe('rammy init', () => {
    it('should succeed in an empty directory', () => {
        TU.removeFixture(configName);
        assertRammyCommand('init', 0);
        assert.isTrue(TU.hasFixture(configName), 'Config file was not created!');
    });
    it('should fail when a project has already been initialised', () => {
        assertRammyCommand('init', 1);
    });
});
```

Additionally, the \code command can be used to insert inline code snippets.

2.4 Other snippets and features

This template has coloured links: https://github.com/TimboKZ/latex-common. It also supports long matrices:



This template doesn't use standard MEXfonts - it uses a sans-serif font for the main text and Inconsolota as the monospace font. The packages needed for common figure functionality are also included via the figures snippet.