

This document aims to be a small example of how to transcribe the Linear Algebra notes, so to keep a consistency among sections written by different people.

1 File structure

The project is organized in the following way:

```
Chapters
  Chapter1.tex
  Chapter2.tex
  . . .
Other
  CustomEnvironments.tex
  Sample.pdf
  Sample.tex
  packages.tex
README.md
RawMaterial
  Core.pdf
  Lecture_17_03_2015.pdf
  . . .
main.pdf
main.tex
```

If you need to add files (for example chapter files) please keep the same folder structure.

2 Available commands

There are a few environments available for you to use, these allow you to apply custom styles without too much effort. These include:

- definition
- notation
- example
- lemma
- properties

In order to see exactly what they do, and to have a more complete overview of the helper methods, take a look at `Other/CustomEnvironments.tex`

These are quite easy to use, for example if you were to write a definition you can simply write the following:

```
\begin{definition}
Some kind of definition. This definition also includes some math:
\[[
```

```
\sum\limits_{i=0}^n i^2
\]
\end{definition}
```

This code will produce the following output:

<p>Definition</p> <p>Some kind of definition. This definition also includes some math:</p> $\sum_{i=0}^n i^2$
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3 Packages

Packages are all contained in the file `Other/packages.tex`. If you need to include a package, add it there. Please keep packages to a minimum, and include if and only if there is no other way to do a certain thing.

4 Styling

So as to keep the style consistent, please use the following pointers when typing:

- Math mode and inline mode have to be used in a logical way. It is up to you when to use what, but look at the other chapters and keep it consistent.
- Mathmode has to be activated using `\[...\]`, not `$$...$$`. This is due to some internal issues with how \LaTeX handles math mode when used with the dollar signs.
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