

# 1 Lecture notes template

This template was meant to be used for lecture notes.

## 2 Features

It has a lot of useful shorthand commands defined that make writing math formulas easy:

$$\|\mathbb{M}^{m \times n}\| \rightarrow \langle v, u \rangle$$

This template has coloured links: <https://github.com/TimboKZ/latex-common>

It also supports long matrices:

$$Z = \begin{bmatrix} q_{sum1} & q_{sum2} & q_{sum3} & 0 & 0 & 0 & 0 & 0 & 0 & m & 0 & 0 \\ 0 & 0 & 0 & q_{sum1} & q_{sum2} & q_{sum3} & 0 & 0 & 0 & 0 & m & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & q_{sum1} & q_{sum2} & q_{sum3} & 0 & 0 & m \\ x_{11} & x_{21} & x_{31} & 0 & 0 & 0 & 0 & 0 & 0 & q_{sum1} & 0 & 0 \\ x_{12} & x_{22} & x_{32} & 0 & 0 & 0 & 0 & 0 & 0 & q_{sum2} & 0 & 0 \\ ..... \\ ..... \\ ..... \\ ..... \\ ..... \\ ..... \\ 0 & 0 & 0 & 0 & 0 & 0 & x_{13} & x_{23} & x_{33} & 0 & 0 & q_{sum3} \end{bmatrix}$$