

MATH5747/5825 assignment 1: L^AT_EX

Recreate this page, changing only the name, ID, and date above. You must use the L^AT_EX template which is provided in the module area on Minerva. Five items you must use are listed below. (If you are missing any of them, then you are probably doing something wrong!)

1. Lists, which can be of type

- itemize
- enumerate
- description

(**Note:** You must use all three on this page.)

2. Tables, such as table 1

<i>English</i>	<i>Greek</i>
a, A	α
b, B	β
d, D	δ, Δ
\vdots	\vdots
w, W	ω, Ω

Table 1: English and Greek letters.

3. The commands `\label` and `\ref`.
4. Figures, such as figure 1 below. The file you will need, `Leeds_Logo.pdf`, is available in pdf format from Minerva.



UNIVERSITY OF LEEDS

Figure 1: The University of Leeds logo.

It has been scaled to be 6.5 cm wide by using the option `width=6.5cm` to the `\includegraphics` command.

R graphics can be exported as pdf files. The method depends on your operating system.

Windows Click on the graphics window and select `file` \rightarrow `save as` \rightarrow `pdf`.

linux/UNIX Use the R command `dev.copy2pdf(file="filename.pdf")`. (Note that this also works under Windows.)

5. Equations, such as

$$f(x) = \sum_{k \in \mathbb{Z}} c_{j_0, k} \phi_{j_0, k}(x) + \sum_{j=j_0}^{\infty} d_{j, k} \psi_{j, k}(x),$$

where $\phi_{j, k}(x) = 2^{-j/2} \phi(2^j x - k)$ and $\psi_{j, k}(x) = 2^{-j/2} \psi(2^j x - k)$, for suitable functions $\psi(x)$ and $\phi(x)$.