

Task 1 (50 points)

Download the \LaTeX typesetting system, in a version appropriate for your favorite operating system. For Windows, you might download MikTeX. Compile the following example text (you may use the pdf version of the exercise, to be posted on the web page of the course, to copy and paste, or manually copy from the source code below):

```
\documentclass{article}
\begin{document}

{\bf Some text:}
Gallia est omnis divisa in partes tres, quarum unam incolunt
Belgae, aliam Aquitani, tertiam, qui ipsorum lingua Celtae,
nostra Galli apelantur.\\

{\bf Some more text:}
Post cladem in Silva Teutoburga,
substitutae legiones XVII, XVIII et XIX
erant legio II Augusta,
legio XIII Gemina et legio XX Valeria Victrix.\\

Mathematical formula:
\begin{equation}
(a + b)^3 = a^2 + 3 a^2 b + 3 a b^2 + b^3
\end{equation}

Pythagoras's theorem:
\begin{equation}
a^2 + b^2 = c^2
\end{equation}

\end{document}
```

Look up the Maxwell equations on the internet and write a \LaTeX document with typeset Maxwell equations! You may use the integral form, or the differential form, or, even better, both!

The tasks are due Tuesday, 24-JAN-2023. Have fun doing the problems!