


```

\begin{equation} \label{e:ref-name}
c = a \frac{\diff x}{\diff t} + b \frac{\diff x}{\diff t}
\end{equation}

```

$$c = a \frac{dx}{dt} + b \frac{dx}{dt} \tag{1}$$

```

\begin{table}
\centering
\caption{Table caption.}
\vspace*{5pt}
\begin{tabular}{|l|c|}
\hline
First & $11$ \\
Second & $15$ \\
\hline
\end{tabular}
\label{t:ref-name}
\end{table}

```

Table 1: Table caption.

First	11
Second	15

Referencing figures, equations and tables is done with:

Fig. `\ref{f:ref-name}`, Eq. `\eqref{e:ref-name}`, Tab. `\ref{t:ref-name}`

...shown on Fig. 1...

...from Eq. (1) we are able to...

...is entered into Tab. 1...

2. Equations and units

Equations should always be part of the sentence, thus proper use of commas and full stops should be considered. For example, the Pitagoras' rule is defined as

$$c^2 = a^2 + b^2, \tag{2}$$

where c is the longest and a and b are the shorter sides of a right triangle. We can also define the integral of a function as

$$I = \int_{x_0}^{x_1} f(x) dx. \quad (3)$$

Any units in equations can easily be added by using

```
\unit[1.756]{m~s^{-1}}
```

where first we enter the number we wish to show and then the units. For example, the speed of light is $c_0 = 299\,792\,458 \text{ m s}^{-1}$. Just make sure that at the beginning of this (.tex) document, you have a package named **units** defined.

3. Bibliography/References/Citation rules

Bibliography and references are not a normal section/chapter and should be added using:

```
\bibliographystyle{elsarticle-num}
\begin{thebibliography}{99}
\raggedright
\bibitem{citename} Author/Authors, \emph{Title}, Journal (Year).
\end{thebibliography}
```

The `bibitem` already shows how separate citations should be done and `raggedright` makes the left align of text (better for citations). The first example (see `example1` [1]) shows the correct citation for a one or two author paper. The second example (see `example2` [2]) shows the correct citation for a paper with multiple authors. The third example (see `example3` [3]) shows the correct citation, when using internet links (if using `url` instead of `texttt`, please define the package named **url** at the beginning of this (.tex) document). The `url` environment automatically breaks a link when at end of line.

References to the biography can then be made with

```
\cite{example1}, \cite{example1,example2,\dots}
```

depending on the number of citations we wish to make at the same time. For example: The first paper describes this [1]. Two of the papers describe that [1, 2]. All three papers describe that [1, 2, 3].

References

- [1] J.L. Rosner, *Low-energy photon production in neutrino neutral-current interactions*, Phys. Rev. D 91, 093001 (2015).
- [2] H.B. Hartanto *et al.*, *Higgs boson production in association with top quarks in the POWHEG BOX*, Phys. Rev. D 91, 094003 (2015).
- [3] LaTeX short math guide, http://www.ung.si/~sstanic/teaching/CIS/LaTeX_short-math-guide.pdf, accessed in May, 2015.