

# TITLE

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## ABSTRACT

Authors must deliver their full papers by the 21st February 2021 as electronic ‘PDF’ files to the dedicated website; details are given in Sections 10 and 11. Note that the paper must be fully cleared for presentation at an open conference, as it will be part of the conference proceedings. The speaker is fully responsible for ensuring that technical data disclosed while in attendance is cleared for release through their sponsor and/or employer.

Please read the following instructions for the preparation of your paper in accordance with the conference proceedings. These instructions include proper formatting and submission instructions. Each submitted paper should resemble these instruction sheets in format and style. Start with a concise abstract (limited to 15 lines or 150 words) that summarizes the contents of the paper.

Key words: L<sup>A</sup>T<sub>E</sub>X; ESA; macros.

## 1. INTRODUCTION

The paper must be prepared in this two-column format and should not be longer than 12 printed pages including figures, tables and references, and the size of the electronic version must not exceed 10MB of memory.

## 2. FIGURES AND TABLES

Figures and tables are inserted with the normal L<sup>A</sup>T<sub>E</sub>X environments `figure` and `table`. They are numbered automatically and one refers to the numbers with the `\label` and `\ref` system.

### 2.1. Figures

The `figure` environment is used to enter a single column figure such as Figure 1, while `figure*` is for double column figures (Figure 2).

*Figure 1. Sample figure showing how an encapsulated PostScript graphic may be included. This example is for a single column figure.*

```
\begin{figure}
\centering
\includegraphics[width=0.8\linewidth]{sample.eps}
\caption{Sample figure showing how an encapsulated
PostScript graphic may be included. This example
is for a single column figure.\label{fig:single}}
\end{figure}
```

One can then refer to this figure with `Figure~\ref{fig:single}`, producing “Figure 1”.

The `\includegraphics` command is made available with the `graphicx` package and allows the importation of graphic files. For PostScript output (with the `dvips` program) these graphics must adhere to the *encapsulated* PostScript standard.

Many users are familiar with the `\epsfig` available with the `epsfig` package. With this the syntax is slightly different:

```
\epsfig{file=sample.eps,width=0.8\linewidth}
```

(In fact, the `epsfig` package uses the `graphicx` package so in the end they do exactly the same thing.)

The same syntax can also be used with pdfT<sub>E</sub>X, a variant on the T<sub>E</sub>X program producing PDF output directly. In this case, the figures must be in PDF, PNG, or JPEG

Figure 2. Sample figure showing how an encapsulated PostScript graphic may be included. This example is for a double column figure, which does cause more placement problems than single column ones.

Table 1. A sample table illustrating usage of the  $\LaTeX$  table environment.

First column	Col. 2	Col. 3	V mag
row 1	11.0	25.0	12
row 2	11.0	25.0	12
row 3	11.0	25.0	12
row 4	11.0	25.0	12
row 5	11.0	25.0	12

format. It is not necessary to include the extension in the file name (file=sample suffices), something that makes the  $\LaTeX$  text more general for both normal  $\TeX$  and pdf $\TeX$ . (It may however be necessary to add the option [pdf $\TeX$ ] when loading the graphics packages.)

## 2.2. Tables

Tables are placed and numbered and referred to with the `table` and `table*` environments. The contents of the table are normally entered with the `tabular` or `tabbing` environments. The `\caption` now comes at the top of the table, before the table contents.

## 3. EQUATIONS

Formulae which appear in the running text should be enclosed in  $\$$  signs. For example, to produce the equation  $a^2 + b^2 = c^2$  within a paragraph type `\$a^2 + b^2 = c^2\$`. Displayed formulae are produced using the `\begin{equation}` and `\end{equation}` commands (see Equation 1). This produces equations which are automatically numbered sequentially throughout your paper. Equations which should appear together can be formatted using `\begin{eqnarray}` and `\end{eqnarray}` as for

Equations 2 and 3:

$$\Delta \hat{a}_i = \sum_j \frac{\partial f_i}{\partial a_j} \Delta a_j \quad (1)$$

$$\alpha = \alpha_0 + (T - T_0) \mu_{\alpha*0} \sec \delta_0 \quad (2)$$

$$\delta = \delta_0 + (T - T_0) \mu_{\delta 0} \quad (3)$$

When in math mode (i.e. within the `equation` or `eqnarray` environment) all letters appear in italics. However, the preferred notation is for subscripts, superscripts<sup>1</sup> and text within the equation to be typeset as roman. To achieve this use the `\mbox{...}` command. Thus, `\$T_{\mbox{eff}}=5.8\times 10^3\$` produces  $T_{\text{eff}} = 5.8 \times 10^3$  K. Note that units should be tied to the numerical value using `\sim` and should always be in roman font (the default outside of math mode).

## 4. SUBMITTING THE PAPER

Papers must be delivered by 21st February 2021 at the latest, to be included in the proceedings.

Please upload your paper via the presenter tool on our website, using your email-address and your password.

Detailed information for presenters regarding upload of your paper, technical checks before the conference and briefing on the day of the presentation will be distributed in a dedicated e-mail.

If you need technical assistance while uploading your paper please contact [helpdesk@besl-eventagentur.de](mailto:helpdesk@besl-eventagentur.de).

## 5. FURTHER INFORMATION

For further information about preparing your paper please contact [ecssmet2021@dlr.de](mailto:ecssmet2021@dlr.de), about the Conference please visit [www.ecssmet2021.de](http://www.ecssmet2021.de) or [www.ecssmet.com](http://www.ecssmet.com).

<sup>1</sup>Except when the superscript or subscript are variables.

## ACKNOWLEDGMENTS

The section containing acknowledgments should use the `\section*` form, as shown, to prevent it from being numbered.

## REFERENCES

- [1] Allen C., 1973, Astrophysical Quantities, Athlone Press
- [2] Nobody B., Somebody G., Who M.E., et al., 1997, ApJ 331, 902
- [3] Smith A., Jones B., 1996, A&A 555, 999