
ORIGINAL ARTICLE

STAR Journal of Mathematics and Computing

Innovative Title

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STAR Journal template is designed for author convenience and which includes several options for customization. Please consult the author guidelines for the journal to which you are submitting in order to confirm that your manuscript will comply with the journal's requirements. Please replace this text with your abstract.

KEYWORDS

keyword 1, keyword 2, keyword 3, keyword 4, keyword 5, keyword 6, keyword 7

1 | FIRST LEVEL HEADING

Please lay out your article using the section headings and example objects below, and remember to delete all help text prior to submitting your article to the journal.

1.1 | Second Level Heading

If data, scripts or other artefacts used to generate the analyses presented in the article are available via a publicly available data repository, please include a reference to the location of the material within the article.

Abbreviations: ABC, a black cat; DEF, doesn't ever fret; GHI, goes home immediately.

* Equally contributing authors.

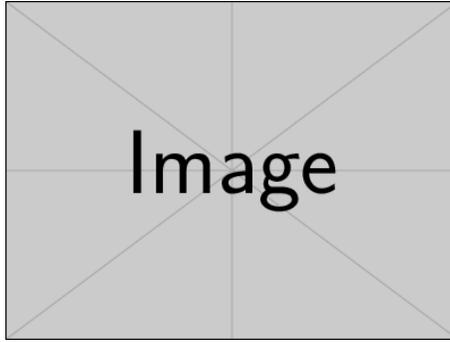


FIGURE 1 Although we encourage authors to send us the highest-quality figures possible, for peer-review purposes we can accept a wide variety of formats, sizes, and resolutions. Legends should be concise but comprehensive – the figure and its legend must be understandable without reference to the text. Include definitions of any symbols used and define/explain all abbreviations and units of measurement.

This is an equation, numbered

$$\int_0^{+\infty} e^{-x^2} dx = \frac{\sqrt{\pi}}{2} \quad (1)$$

And one that is not numbered

$$e^{i\pi} = -1$$

1.2 | Document class options

The `STAR-article` document class offers the following options:

`blind` Anonymise all author, affiliation, correspondence and funding information.

`lineno` Adds line numbers.

`serif` Sets the body font to be serif.

`twocolumn` Sets the body text in two-column layout.

`num-refs` Uses the numerical Vancouver bibliography style; see section 1.3.

`alpha-refs` Uses the author-year RSS bibliography style; see section 1.3.

1.3 | Adding Citations and a References List

This template provides two `\documentclass` options for the citation and reference list style:

Numerical style Use `\documentclass[... ,num-refs]{star-article}` (Vancouver style)

Author-year style Use `\documentclass[... ,alpha-refs]{star-article}` (RSS style)

If you are submitting to a journal that uses neither of the above, then instead of specifying one of these options in

the document class you should use `\bibliographystyle` to specify the appropriate style, and load the `natbib` with the appropriate options as needed. If the journal provides you with an alternative `.bst` file to use, please upload this first, and then specify it with the `\bibliographystyle` as above.

1.4 | Usage Examples of `star-article` Options

1. Using numerical, sort-by-authors citations:

```
\documentclass[num-refs]{star-article}
```

2. Anonymised submission using author-year citations:

```
\documentclass[blind,alpha-refs]{star-article}
```

3. Using `unsrtnat` for numerical, in-sequence citations:

```
\documentclass{star-article}
\usepackage[numbers]{natbib}
\bibliographystyle{unsrtnat}
```

4. Using the `star` `annotate` reference style and superscript citations, two-column and serif fonts, for submission to AIChE:

```
\documentclass[serif,twocolumn]{star-article}
\usepackage[super]{natbib}
\bibliographystyle{star annotate}
\makeatletter
\renewcommand{\@biblabel}[1]{#1.}
\makeatother
```

1.4.1 | Third Level Heading

Supporting information will be included with the published article. For submission any supporting information should be supplied as separate files but referred to in the text.

Appendices will be published after the references. For submission they should be supplied as separate files but referred to in the text.

Fourth Level Heading

The significant problems we have cannot be solved at the same level of thinking with which we created them.¹

Anyone who has never made a mistake has never tried anything new.

Albert Einstein

Fifth level heading Measurements should be given in SI or SI-derived units. Chemical substances should be referred to by the generic name only. Trade names should not be used. Drugs should be referred to by their generic names. If proprietary drugs have been used in the study, refer to these by their generic name, mentioning the proprietary name, and the name and location of the manufacturer, in parentheses.

TABLE 1 This is a table. Tables should be self-contained and complement, but not duplicate, information contained in the text. They should be not be provided as images. Legends should be concise but comprehensive – the table, legend and footnotes must be understandable without reference to the text. All abbreviations must be defined in footnotes.

Variables	JKL (<i>n</i> = 30)	Control (<i>n</i> = 40)	MN	<i>t</i> (68)
Age at testing	38	58	504.48	58 ms
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stop alternating row colors from here onwards				
Age at testing	38	58	504.48	58 ms
Age at testing	38	58	504.48	58 ms

JKL, just keep laughing; MN, merry noise.

acknowledgements

Acknowledgements should include contributions from anyone who does not meet the criteria for authorship (for example, to recognize contributions from people who provided technical help, collation of data, writing assistance, acquisition of funding, or a department chairperson who provided general support), as well as any funding or other support information.

conflict of interest

You may be asked to provide a conflict of interest statement during the submission process. Please check the journal's author guidelines for details on what to include in this section. Please ensure you liaise with all co-authors to confirm agreement with the final statement.

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Supporting information is information that is not essential to the article, but provides greater depth and background. It is hosted online and appears without editing or typesetting. It may include tables, figures, videos, datasets, etc. More information can be found in the journal's author guidelines or at www.starjournals.org Note: if data, scripts, or other artefacts used to generate the analyses presented in the paper are available via a publicly available data repository, authors should include a reference to the location of the material within their paper.

endnotes

¹ Albert Einstein said this.

references

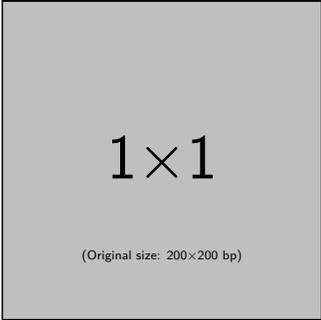
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1×1

(Original size: 200×200 bp)

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GRAPHICAL ABSTRACT

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