

# A template for Seismica

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Author contributions: *Funding acquisition:* Alice, Bob. *Writing:* Charlie, Doris. *Writing - review & editing:* Emilio, Francis.

**Abstract** Replace text

**Non-technical summary** The text goes here. Again, no longer than 200 words.

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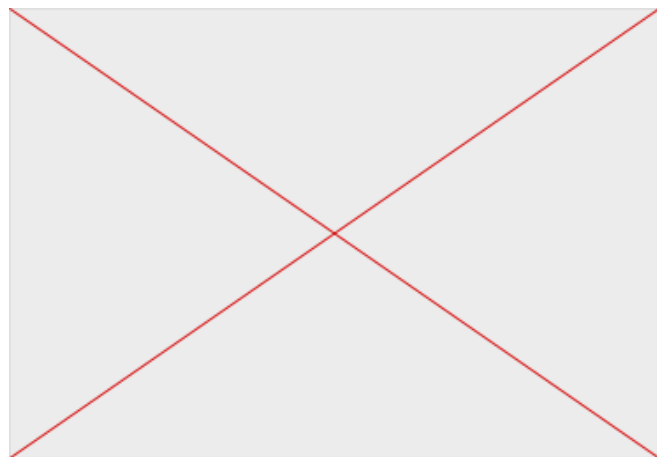
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## Introduction

Cite with (Metropolis and Ulam, 1949) or Metropolis and Ulam (1949)

To refer to a figure, use Fig. 2 or Figs 1, 2 (Tab. and Tabs).



**Figure 1** column-wide figure.

## Section 1

### Subsection

$$G = \frac{1}{2}(2 \cos z) + (1/2)(2 \cos z + j \sin z - j \sin z) + (1/2)(\cos z + j \sin z + \cos z - j \sin z) - (1/2)(e^{jz} + e^{-jz}) \quad (1)$$

## Code

Code examples should be concise and descriptive. They should introduce core functionality or specific syntax and should be included using the `lstlisting` environment. Note that lines longer than 45 characters will be

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Animal	Description	Price (\$)	Received:
Gnat	per gram	13.65	March 5, 2021
	each	0.01	Accepted:
Gnu	stuffed	92.50	March 5, 2021
Emu	stuffed	33.33	Published:
Armadillo	frozen	8.99	April 15, 2022

**Table 1** Use the command `seistable` for tables, instead of `tabular`

broken when using the `prepress` option. Extended examples or use cases should be uploaded separately. Individual words of code can be written inline, for example:

To improve stability of the inversion, the `Model` object accepts the `strict` keyword, which disables piecewise linear approximation of the target function (Listing 1).

**Listing 1** Example use of `Model`

```
#2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 |
import mymodule as mm

model = mm.Model(strict=True)
mdls = model.perturb()

for mdl in mdls:
    var = mdl.get_variance()
```

## Acknowledgements

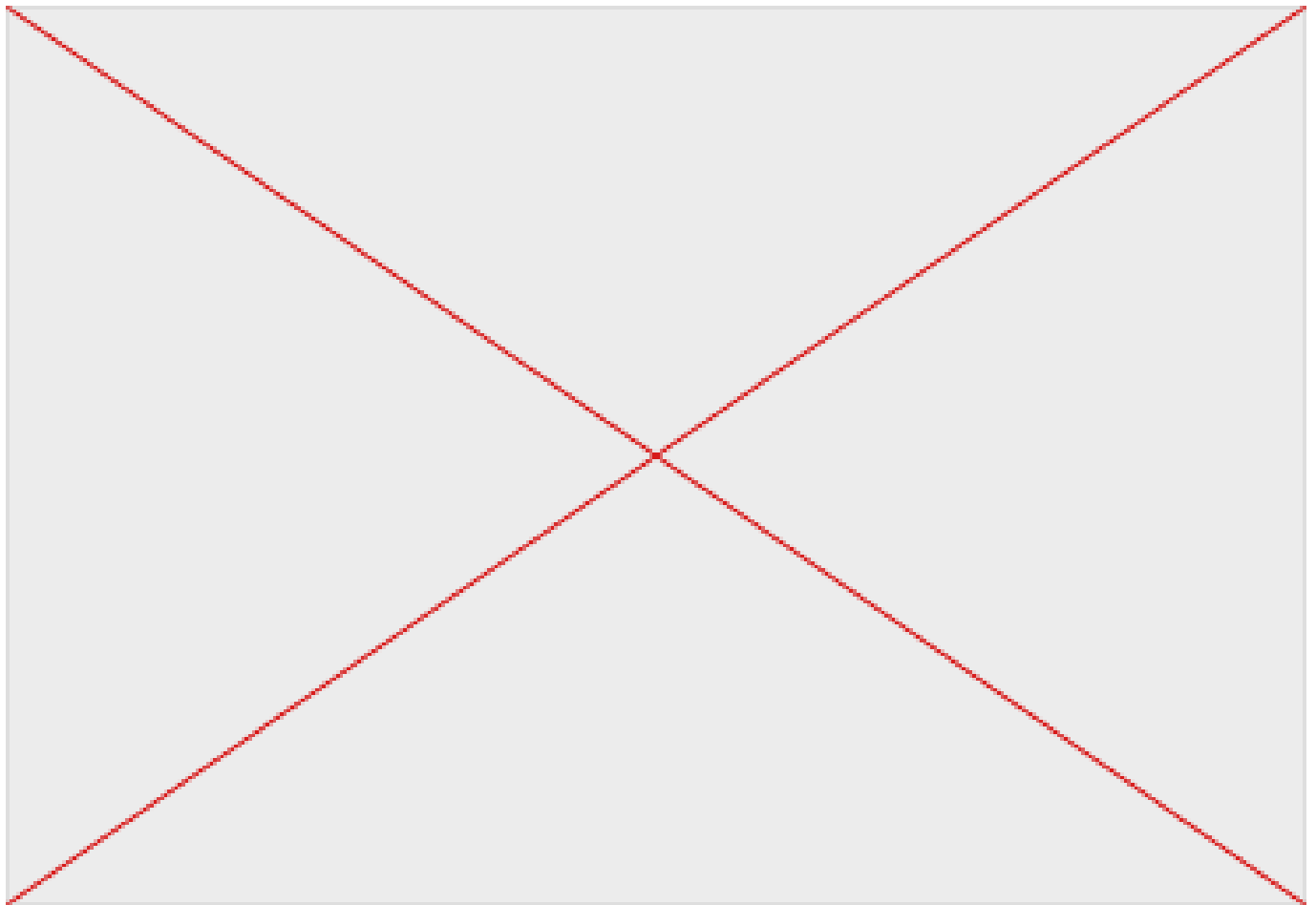
Thank all relevant parties and acknowledge funding sources, if any.

## Data availability

Authors should direct readers to an open access repository such as figshare or Github, where data are made available.

## Competing interests

The authors declare no competing interests.



**Figure 2** Full-width figure.

## References

Metropolis, N. and Ulam, S. The Monte Carlo Method. *Journal of the American Statistical Association*, 44(247):335–341, Sept. 1949. doi: 10.1080/01621459.1949.10483310.

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