REPORT
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A template for Seismica

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Abstract Replace text

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

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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).

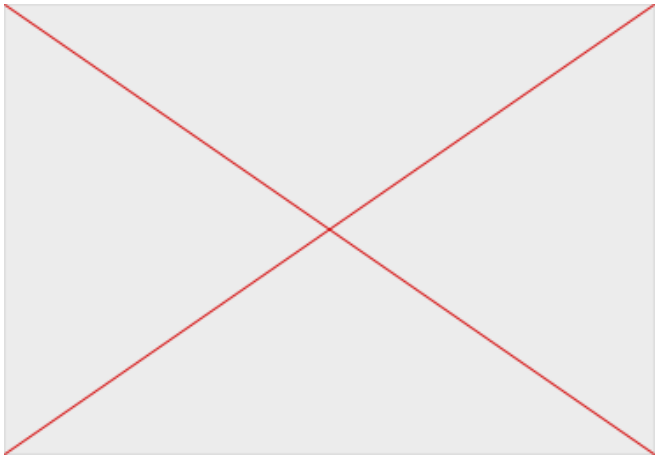

Figure 1 column-wide figure.

Section 1

Subsection

Refer to equation 1.

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

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 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).

Animal	Description	Price ($)
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.50
Emu	stuffed	33.33
Armadillo	frozen	8.99

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

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

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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.

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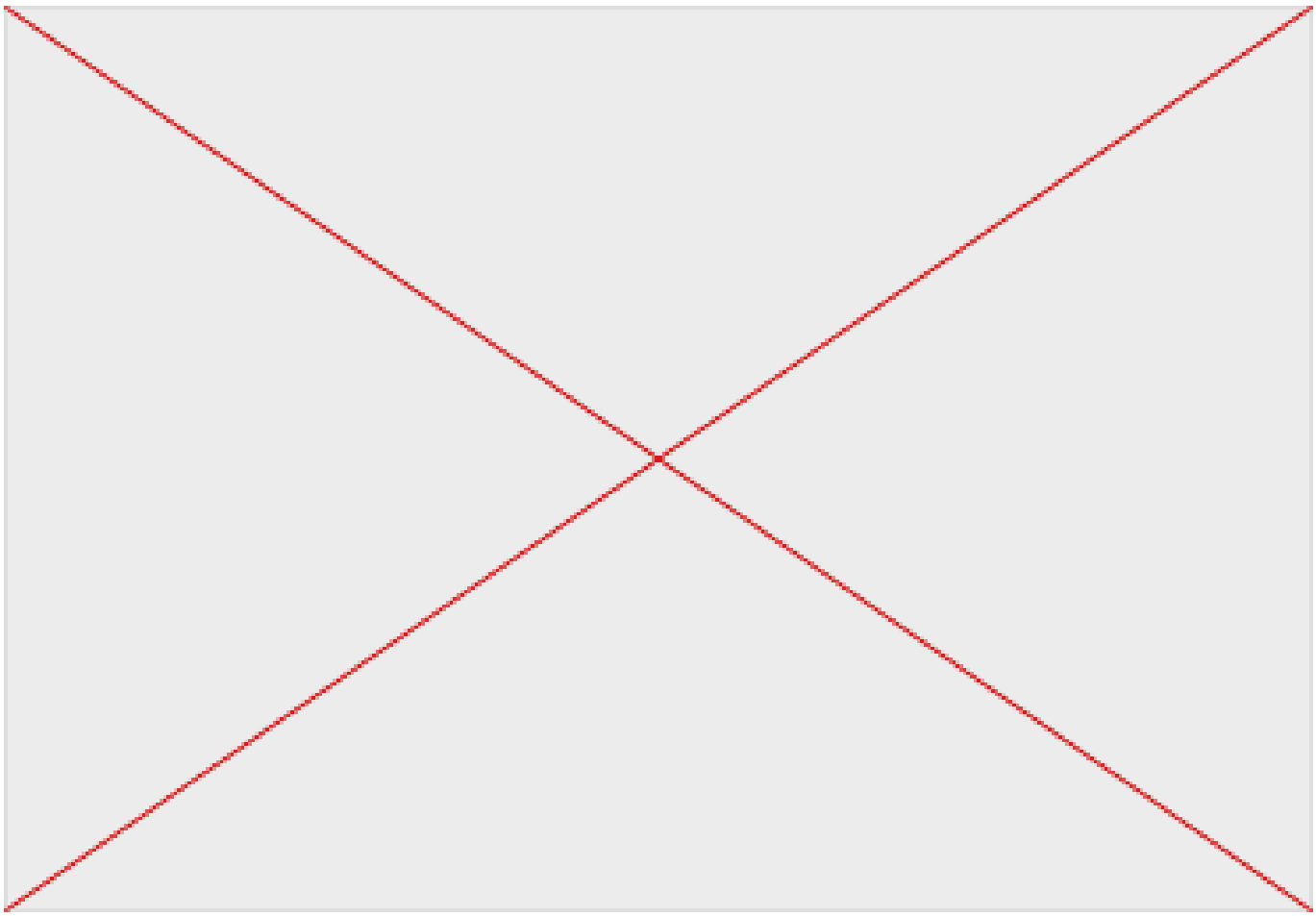

Figure 2 Full-width figure.

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.