

A Numerical Perspective to Terraforming a Desert

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Abstract—A short version of the long version that is way too long to be written as a short version anyway. Still, when considering the facts from first principles, we find that the outcomes of this introspective approach is compatible with the guidelines previously established. In such an experiment it is then clear that the potential for further development not only depends on previous relationships found but also on connections made during exploitation of this novel new experimental protocol.

Introduction

Twelve hundred years ago — in a galaxy just across the hill...

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum sapien tortor, bibendum et pretium molestie, dapibus ac ante. Nam odio orci, interdum sit amet placerat non, molestie sed dui. Pellentesque eu quam ac mauris tristique sodales. Fusce sodales laoreet nulla, id pellentesque risus convallis eget. Nam id ante gravida justo eleifend semper vel ut nisi. Phasellus adipiscing risus quis dui facilisis fermentum. Duis quis sodales neque. Aliquam ut tellus dolor. Etiam ac elit nec risus lobortis tempus id nec erat. Morbi eu purus enim. Integer et velit vitae arcu interdum aliquet at eget purus. Integer quis nisi neque. Morbi ac odio et leo dignissim sodales. Pellentesque nec nibh nulla. Donec faucibus purus leo. Nullam vel lorem eget enim blandit ultrices. Ut urna lacus, scelerisque nec pellentesque quis, laoreet eu magna. Quisque ac justo vitae odio tincidunt tempus at vitae tortor.

Bibliographies, citations and block quotes

If you want to include a .bib file, do so above by placing `:bibliography: yourFilenameWithoutExtension` as above (replacing mybib) for a file named `yourFilenameWithoutExtension.bib` after removing the .bib extension.

Do not include any special characters that need to be escaped or any spaces in the bib-file's name. Doing so makes bibTeX cranky, & the rst to LaTeX+bibTeX transform won't work.

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To reference citations contained in that bibliography use the `:cite:`citation-key` role, as in `:cite:hume48` (which literally is `:cite:`hume48` in accordance with the hume48 cite-key in the associated mybib.bib file).

However, if you use a bibtex file, this will overwrite any manually written references.

So what would previously have registered as a in text reference `[Atr03]` for

`[Atr03] P. Atreides. *How to catch a sandworm*, Transactions on Terraforming, 21(3):261-300, August 2003.`

what you actually see will be an empty reference rendered as `[?]`.

E.g., `[Atr03]`.

If you wish to have a block quote, you can just indent the text, as in

When it is asked, What is the nature of all our reasonings concerning matter of fact? the proper answer seems to be, that they are founded on the relation of cause and effect. When again it is asked, What is the foundation of all our reasonings and conclusions concerning that relation? it may be replied in one word, experience. But if we still carry on our sifting humor, and ask, What is the foundation of all conclusions from experience? this implies a new question, which may be of more difficult solution and explication. hume48

Dois in bibliographies

In order to include a doi in your bibliography, add the doi to your bibliography entry as a string. For example:

```
@Book{hume48,
  author = "David Hume",
  year = "1748",
  title = "An enquiry concerning human understanding",
  address = "Indianapolis, IN",
  publisher = "Hackett",
  doi = "10.1017/CB09780511808432",
}
```

If there are errors when adding it due to non-alphanumeric characters, see if wrapping the doi in `\detokenize` works to solve the issue.

We can then refer back to Equation (circarea) or (spherevol) later.

Mauris purus enim, volutpat non dapibus et, gravida sit amet sapien. In at consectetur lacus. Praesent orci nulla, blandit eu egestas nec, facilisis vel lacus. Fusce non ante vitae justo faucibus facilisis. Nam venenatis lacinia turpis. Donec eu ultrices mauris. Ut pulvinar viverra rhoncus. Vivamus adipiscing faucibus ligula, in porta orci vehicula in. Suspendisse quis augue arcu, sit amet accumsan diam. Vestibulum lacinia luctus dui. Aliquam odio arcu, faucibus non laoreet ac, condimentum eu quam. Quisque et nunc non diam consequat iaculis ut quis leo. Integer suscipit accumsan ligula. Sed nec eros a orci aliquam dictum sed ac felis. Suspendisse sit amet dui ut ligula iaculis sollicitudin vel id velit. Pellentesque hendrerit sapien ac ante facilisis lacinia. Nunc sit amet sem sem. In tellus metus, elementum vitae tincidunt ac, volutpat sit amet mauris. Maecenas¹ diam turpis, placerat² at adipiscing ac, pulvinar id metus.

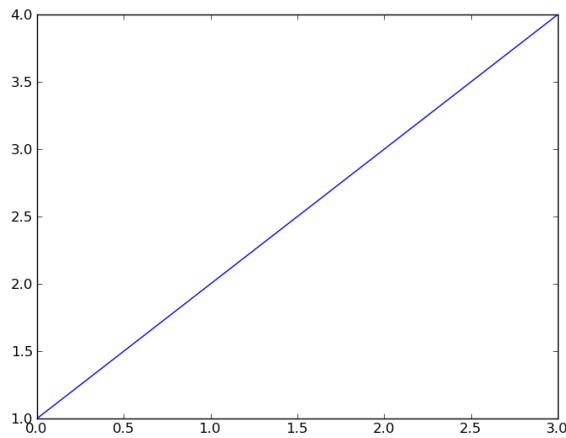


Fig. 1: This is the caption. `egfig`

As you can see in Figures `egfig` and `egfig2`, this is how you reference auto-numbered figures.

We show the different quantities of materials required in Table `mtable`.

The statement below shows how to adjust the width of a table.

Unfortunately, `restructuredtext` can be picky about tables, so if it simply won't work try raw LaTeX:

Perhaps we want to end off with a quote by Lao Tse³:

Muddy water, let stand, becomes clear.

References

- Atr03 P. Atreides. *How to catch a sandworm*, Transactions on Terraforming, 21(3):261-300, August 2003.

1. On the one hand, a footnote.
2. On the other hand, another footnote.
3. $e^{-i\pi}$

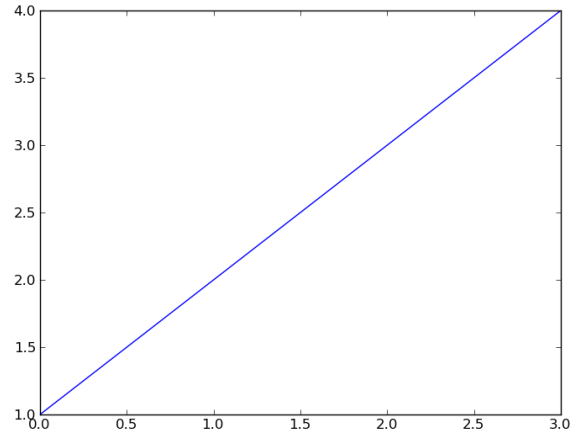


Fig. 2: This is a wide figure, specified by adding "w" to the `figclass`. It is also center aligned, by setting the `align` keyword (can be left, right or center).

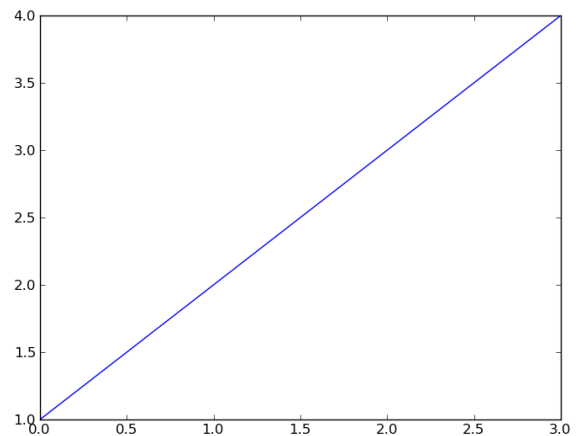


Fig. 3: This is the caption on a smaller figure that will be placed by default at the bottom of the page, and failing that it will be placed inline or at the top. Note that for now, scale is relative to a completely arbitrary original reference size which might be the original size of your image - you probably have to play with it. `egfig2`

TABLE 1: This is the caption for the materials table. `mtable`

Material	Units
Stone	3
Water	12
Cement	α

TABLE 2: This is the caption for the wide table.

This	is	a	very	very	wide	table
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TABLE 3: *Area Comparisons*

Projection	Area in square miles		
	Large Horizontal Area	Large Vertical Area	Smaller Square Area
Albers Equal Area	7,498.7	10,847.3	35.8
Web Mercator	13,410.0	18,271.4	63.0
Difference	5,911.3	7,424.1	27.2
Percent Difference	44%	41%	43%