

# An Epistemological Perspective to Terraforming a Desert

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<http://www.youtube.com/watch?v=dhRUe-gz690>

**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.

**Index Terms**—terraforming, desert, numerical perspective

## 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.

Of course, no paper would be complete without some source code. Without highlighting, it would look like this:

```
def sum(a, b):
    """Sum two numbers."""

    return a + b
```

With code-highlighting:

```
def sum(a, b):
    """Sum two numbers."""
```

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 || Unaffiliated

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```
return a + b
```

Maybe also in another language, and with line numbers:

```
1 int main() {
2     for (int i = 0; i < 10; i++) {
3         /* do something */
4     }
5     return 0;
6 }
```

Or a snippet from the above code, starting at the correct line number:

```
2 for (int i = 0; i < 10; i++) {
3     /* do something */
4 }
```

Inline code looks like this: chunk of code.

## Important Part

It is well known [Atr03] that Spice grows on the planet Dune. Test some maths, for example  $e^{\pi i} + 3\delta$ . Or maybe an equation on a separate line:

$$g(x) = \int_0^{\infty} f(x)dx$$

or on multiple, aligned lines:

$$g(x) = \int_0^{\infty} f(x)dx$$

$$= \dots$$

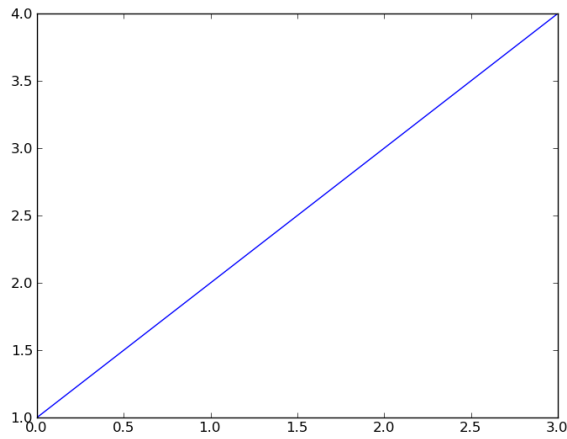
The area of a circle and volume of a sphere are given as

$$A(r) = \pi r^2. \tag{1}$$

$$V(r) = \frac{4}{3} \pi r^3 \tag{2}$$

We can then refer back to Equation (1) or (2) 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



**Fig. 1:** This is the caption.:code:chunk of code inside of it.

Material	Units
Stone	3
Water	12
Cement	$\alpha$

**TABLE 1:** This is the caption for the materials table.

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. Maecenas<sup>1</sup> diam turpis, placerat<sup>2</sup> at adipiscing ac, pulvinar id metus.

As you can see in Figures 1 and 3, this is how you reference auto-numbered figures.

We show the different quantities of materials required in Table 1.

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 Tse<sup>3</sup>:

*Muddy water, let stand, becomes clear.*

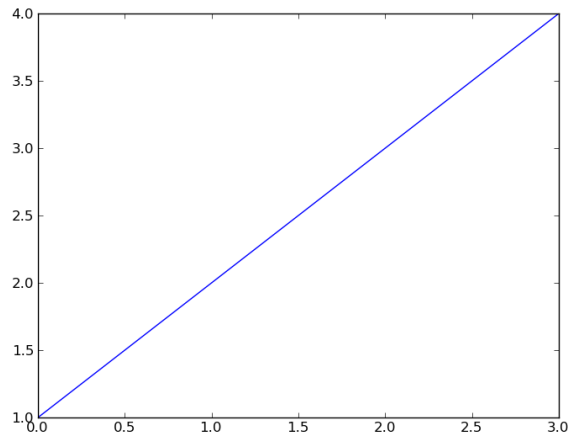
## REFERENCES

[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.  $e^{-i\pi}$



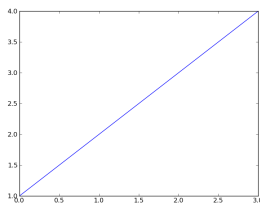
**Fig. 2:** This is a wide figure, specified by adding "w" to the figclass. It is also center aligned, by setting the align keyword (can be left, right or center). This caption also has chunk of code.

This	is	a	very	very	wide	table
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**TABLE 2:** This is the caption for the wide table.

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%

**TABLE 3:** Area Comparisons



**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.