

# Hello, MacTeX User!

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Hello, ConTeXt user. This simple document illustrates the basic features of ConTeXt. A lot more information is available at [ConTeXt wiki](#); click the colored link to go to the wiki. More information about MacTeX is available on the homepage of [MacTeX](http://tug.org/mactex): <http://tug.org/mactex>.

## Itemized lists

It is easy to create itemized lists in ConTeXt. Lists may be unordered

- First bullet
- Second bullet
- Third bullet

or ordered

1. first
2. second
3. third

You can change the type of numbering used in ordered lists, as well as change the spacing between list items

- (a) first
- (b) second
- (c) third

## Math

An equation can be typeset inline like  $e^{\pi} + 1 = 0$ , or as a displayed formula:

$$\int_0^{\infty} t^4 e^{-t} dt = 24.$$

You can also have numbered equations:

$$\int_0^{\infty} t^5 e^{-t} dt = 120. \tag{1}$$

And you can refer to them by name. I called the previous equation `factorial-example`, and it is equation 1. ConTeXt figures out the number for you. And with interaction turned on, you can click on the equation number to get to the equation.

## Text with figures

Now text with a few figures. The first figure goes on the right, with the paragraph flowing around it.

Imagine trying to live in a world dominated by dihydrogen oxide, a compound that has no taste or smell and is so viable in its properties that it is generally benign but at other times swiftly lethal. Depending on its state, it can scald you or freeze you. In the presence of certain organic molecules it can form carbonic acids so nasty that they can strip the leaves from trees and eat the faces off statuary. In bulk, when agitated, it can strike with a fury that no human edifice could withstand. Even for those who have learned to live with it, it is often murderous substance. We call it water.



The next figure will go inline, like a displayed formula:



**Figure 1** MacTeX logo

Had our solar system included two suns, the problem would have involved three bodies (the two suns and each planet), and chaos would have been immediately obvious. Planets would have had erratic and unpredictable orbits, and creatures living on one of these planets would never have been able to perceive the slightest harmony. Nor would it have occurred to them that the universe might be ruled by laws and that it is up to man's intellect to discover them. Besides, it is not at all obvious that life and conscience could even emerge in such a chaotic system.

Here's another reference to the numbered equation – equation 1 on [page 1](#), so that you can test clicking on it or on the page reference.

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