

Numbering Equations in \LaTeX

Spoken Tutorial

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://www.sakshat.ac.in>

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Learning Objectives

1. How to put equation numbers



Learning Objectives

1. **How to put equation numbers**
2. **How to remove them**



Learning Objectives

1. How to put equation numbers
2. How to remove them
3. How to correctly reference equations



Learning Objectives

1. How to put equation numbers
2. How to remove them
3. How to correctly reference equations
4. How to use the information on the web



System Requirements

- ▶ Works on Ubuntu, Windows and Mac
- ▶ TeXworks, and \LaTeX
- ▶ Can use without TeXworks also
- ▶ Other Linux systems are also ok



Prerequisites

- ▶ Spoken tutorials that introduce \LaTeX



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- ▶ Exposure to the side-by-side tutorial



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- ▶ Exposure to the side-by-side tutorial
- ▶ All available from
<https://spoken-tutorial.org>



Additional Learning Material

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- ▶ If you cannot locate, you can find them at <https://spoken-tutorial.org>

What did we learn?

- ▶ Create equations using `align`
- ▶ Remove equation no. with `nonumber`
- ▶ Automatic numbers with `label` and `ref`
- ▶ Use information from Stackexchange, ltxprimer



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Assignment 1: Recall all of the above



More Assignments



2. Question on Referencing

- ▶ Compiled twice for correct numbering
- ▶ Why should we compile twice?
- ▶ Hint: we saw this in an earlier tutorial

You can also locate an answer for this in
ltxprimer pdf file - search for
Cross References



3. Try commands from ltxprimer

- ▶ Try examples from Chapter VIII of ltxprimer pdf file
- ▶ Try to understand them



4. Try commands from the web

Try more multiline examples from the Stackexchange web page we showed



About the Spoken Tutorial Project



About the Spoken Tutorial Project

- ▶ Watch the video available at https://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- ▶ It summarises the Spoken Tutorial project
- ▶ If you do not have good bandwidth, you can download and watch it



Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- ▶ Conducts workshops using spoken tutorials
- ▶ Gives certificates to those who pass an online test

For more details, please write to
contact@spoken-tutorial.org



Answers for THIS Spoken Tutorial

► Questions in THIS Spoken Tutorial?



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You will have to register to ask questions



Where to post \LaTeX questions?

- ▶ For topics not covered in spoken tutorials, visit <http://tex.stackexchange.com/>
- ▶ This is a great place to get answers



Contact us for general questions

- ▶ You may have questions on workshops, certificates, etc.
- ▶ For this, get in touch with us at **contact@spoken-tutorial.org**



Acknowledgements

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Thanks!

