

# Side-by-Side Method to Learn Spoken Tutorials

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Talk to a Teacher Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

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

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# Learning Objectives

- ▶ **What is meant by side-by-side method?**



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- ▶ What is meant by side-by-side method?
- ▶ How to learn one command at a time?



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- ▶ Where the required material for a spoken tutorial is available?
- ▶ **How NOT to use spoken tutorials?**



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- ▶ How to learn one command at a time?
- ▶ How one can learn slowly or fast using spoken tutorials?
- ▶ Where the required material for a spoken tutorial is available?
- ▶ How NOT to use spoken tutorials?
- ▶ **Message for workshop organisers**



# What is a Side-by-Side Method?

- ▶ **It is a technique developed at IIT Bombay**





# What is a Side-by-Side Method?

- ▶ It is a technique developed at IIT Bombay
- ▶ To help you learn a software by yourself,



# What is a Side-by-Side Method?

- ▶ It is a technique developed at IIT Bombay
- ▶ To help you learn a software by yourself,
- ▶ even if there is no expert to guide you



# How does Side-by-Side Work?

- ▶ **By learning one command at a time from a spoken tutorial**



# How does Side-by-Side Work?

- ▶ By learning one command at a time from a spoken tutorial
- ▶ What is meant by learning?



# How does Side-by-Side Work?

- ▶ By learning one command at a time from a spoken tutorial
- ▶ What is meant by learning?
- ▶ Is it just watching a spoken tutorial?



# How does Side-by-Side Work?

- ▶ By learning one command at a time from a spoken tutorial
- ▶ What is meant by learning?
- ▶ Is it just watching a spoken tutorial?
- ▶ **No, by reproducing every command**



# Can One Reproduce All Commands?

- ▶ **Can anyone reproduce every command shown?**



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- ▶ **Yes. We make spoken tutorials suitable for self learning**





# Can One Reproduce All Commands?

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- ▶ Yes. We make spoken tutorials suitable for self learning
- ▶ How? Through special methods developed at IIT Bombay



# Can One Reproduce All Commands?

- ▶ Can anyone reproduce every command shown?
- ▶ Yes. We make spoken tutorials suitable for self learning
- ▶ How? Through special methods developed at IIT Bombay
- ▶ Hence, one can reproduce every command shown in Spoken Tutorials



# Side-by-Side Demonstration

- ▶ **Go to <http://spoken-tutorial.org>**
- ▶ **Locate Scilab Spoken Tutorials**



# How to Learn in a Side-by-side Configuration?

- ▶ **Listen to a command in the video**



# How to Learn in a Side-by-side Configuration?

- ▶ **Listen to a command in the video**
- ▶ **Pause the video**



# How to Learn in a Side-by-side Configuration?

- ▶ **Listen to a command in the video**
- ▶ **Pause the video**
- ▶ **Try out the same command on the software**



# How to Learn in a Side-by-side Configuration?

- ▶ Listen to a command in the video
- ▶ Pause the video
- ▶ Try out the same command on the software
- ▶ If it works, listen to the next command



# How to Learn in a Side-by-side Configuration?

- ▶ Listen to a command in the video
- ▶ Pause the video
- ▶ Try out the same command on the software
- ▶ If it works, listen to the next command
- ▶ If it does not work, rewind





# How to Learn in a Side-by-side Configuration?

- ▶ **Listen to a command in the video**
- ▶ **Pause the video**
- ▶ **Try out the same command on the software**
- ▶ **If it works, listen to the next command**
- ▶ **If it does not work, rewind**
- ▶ **Listen again, and try**

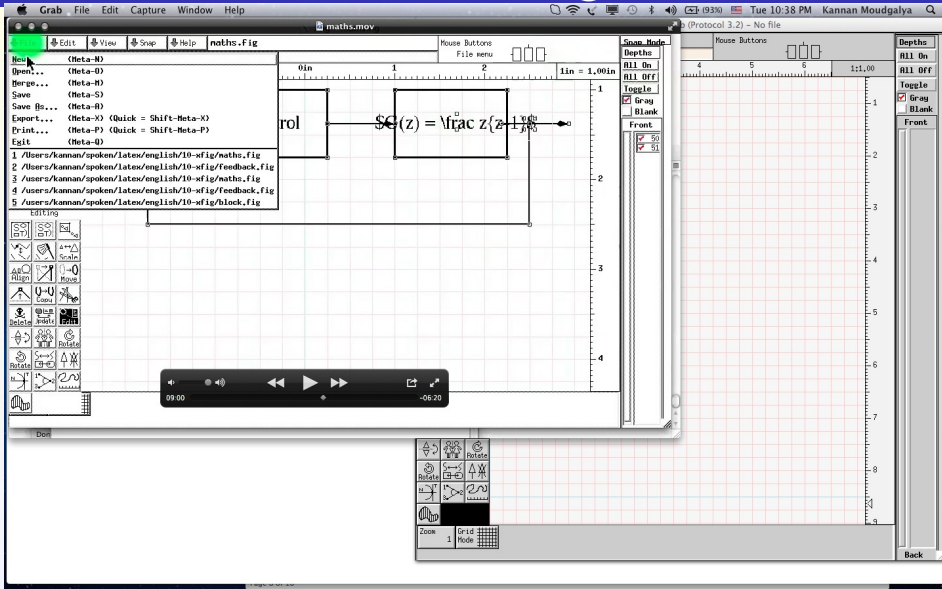


# How to Learn in a Side-by-side Configuration?

- ▶ **Listen to a command in the video**
- ▶ **Pause the video**
- ▶ **Try out the same command on the software**
- ▶ **If it works, listen to the next command**
- ▶ **If it does not work, rewind**
- ▶ **Listen again, and try**
- ▶ **Repeat**



# Another Screen Arrangement



# Where are the Associated Files?

- ▶ **What happens if the spoken tutorial says open a file?**



# Where are the Associated Files?

- ▶ What happens if the spoken tutorial says open a file?
- ▶ Without that file, learning will be ineffective. Won't it?



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- ▶ We make available every file used in a spoken tutorial.



# Where are the Associated Files?

- ▶ What happens if the spoken tutorial says open a file?
- ▶ Without that file, learning will be ineffective. Won't it?
- ▶ We make available every file used in a spoken tutorial.
- ▶ Without these, all steps of a spoken tutorial cannot be reproduced.



# Demonstration of Locating Files





# Summary

- ▶ Explained the side-by-side method



# Summary

- ▶ Explained the side-by-side method
- ▶ How to learn one command at a time



# Summary

- ▶ Explained the side-by-side method
- ▶ How to learn one command at a time
- ▶ How to learn slowly or fast using using spoken tutorials



# Summary

- ▶ Explained the side-by-side method
- ▶ How to learn one command at a time
- ▶ How to learn slowly or fast using spoken tutorials
- ▶ Location of associated material to learn spoken tutorials



# Summary

- ▶ Explained the side-by-side method
- ▶ How to learn one command at a time
- ▶ How to learn slowly or fast using spoken tutorials
- ▶ Location of associated material to learn spoken tutorials
- ▶ **How NOT to use spoken tutorials**



# Summary

- ▶ Explained the side-by-side method
- ▶ How to learn one command at a time
- ▶ How to learn slowly or fast using using spoken tutorials
- ▶ Location of associated material to learn spoken tutorials
- ▶ How NOT to use spoken tutorials
- ▶ **Message to workshop organisers**



# Assignment

- ▶ **Reproduce every step shown in this tutorial**



# Assignment

- ▶ Reproduce every step shown in this tutorial
- ▶ Apply this method to a spoken tutorial on another topic





# Assignment

- ▶ Reproduce every step shown in this tutorial
- ▶ Apply this method to a spoken tutorial on another topic
- ▶ Spread the word that a spoken tutorial helps a student learn by doing.



# About the Spoken Tutorial Project

- ▶ Watch the video available at [http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](http://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- ▶ It summarises the Spoken Tutorial project



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- ▶ If you do not have good bandwidth, you may download and watch it



# Spoken Tutorial Workshops

## The Spoken Tutorial Team

- ▶ **Conducts workshops using spoken tutorials**



# Spoken Tutorial Workshops

## The Spoken Tutorial Team

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



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- ▶ For more details, please write to [contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)



# Acknowledgements

- ▶ **Spoken Tutorial Project is a part of the Talk to a Teacher project**
- ▶ **It is supported by the National Mission on Education through ICT, MHRD, Government of India**
- ▶ **More information on this Mission is available at**

**<http://spoken-tutorial.org/NMEICT-Intro>**



**Thanks from**  
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