

Modify Display and View

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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Learning Objectives



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- ▶ Rotate, zoom, move and spin the model



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- ▶ Rotate, zoom, move and spin the model
- ▶ Modify the view



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- ▶ Rotate, zoom, move and spin the model
- ▶ Modify the view
- ▶ Change the style of display



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- ▶ Change the style of display
- ▶ Change the color of atoms and bonds



Learning Objectives



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- ▶ Display the model with 'Axes' and 'BoundingBox'



Learning Objectives

- ▶ Display the model with 'Axes' and 'BoundingBox'
- ▶ Save the image in various file formats



Pre-requisites



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- ▶ Jmol Application window



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- ▶ **Jmol Application window**
- ▶ **Create and edit molecular models using 'modelkit' function**



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- ▶ Create and edit molecular models using 'modelkit' function
- ▶ Watch the video available at <http://spoken-tutorial.org>



System Requirements



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- ▶ **Ubuntu OS version 12.04**



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- ▶ **Java (JRE) version 7 (Sun Microsystems)**



Assignment

- ▶ Create a model of 2-chloro-3-iodo-pentane
- ▶ Explore the 'Spin' option in the Pop-up menu
- ▶ Change the direction of spin to 'Z' axis and rate of spin to '40'



Summary

- ▶ Rotate, zoom, move and spin the model
- ▶ View the model from various angles
- ▶ Change the style of display
- ▶ Change the color of atoms and bonds



Summary

- ▶ Display the model with 'Axes' and 'BoundingBox'
- ▶ Save the image in various file formats



Assignment

- ▶ Create a model of 3-amino-1-propanol
- ▶ Change the display style to 'Sticks'
- ▶ Change the color of hydrogens in the model to 'Green'
- ▶ Change the color of all the bonds to 'Yellow'



About the Spoken Tutorial Project

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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



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- ▶ More information on this Mission is available at

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

