Overview of Synfig

Spoken Tutorial Project
http://spoken-tutorial.org
National Mission on Education through ICT
http://sakshat.ac.in

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Learning Objectives

We will learn about

Learning Objectives

We will learn about

- **Interface of Synfig**

Learning Objectives

We will learn about

- **Interface of Synfig**
- **Drawing and animating in Synfig**

Learning Objectives

We will learn about

- **Interface of Synfig**
- **Drawing and animating in Synfig**
- **the content available in various tutorials under this series**

System requirements

To record this tutorial, I am using

System requirements

To record this tutorial, I am using

- **Ubuntu Linux 16.04 OS**

System requirements

To record this tutorial, I am using

- **Ubuntu Linux 16.04 OS**
- **Synfig version 1.0.2**

Pre-requisites

To follow this tutorial, you should have knowldge of

Pre-requisites

To follow this tutorial, you should have knowldge of

- **Inkscape**

Pre-requisites

To follow this tutorial, you should have knowldge of

- **Inkscape**
- **Principles of animation**

Synfig

First, let us learn about Synfig

Synfig

First, let us learn about Synfig

- **Synfig is a 2D animation software**

Synfig

First, let us learn about Synfig

- **Synfig is a 2D animation software**
- **It is a free and open source software**

Features of Synfig

- It works on Linux, Windows and Mac OS

Features of Synfig

- It works on Linux, Windows and Mac OS
- Can draw various shapes

Features of Synfig

- It works on Linux, Windows and Mac OS
- Can draw various shapes
- Creates text animation

Features of Synfig

- **It can import png images and animate those images**

Features of Synfig

- It can import png images and animate those images
- Creates Cutout animation

Features of Synfig

- It can import png images and animate those images
- Creates Cutout animation
- Creates Character walk cycle

Features of Synfig

- It can import png images and animate those images
- Creates Cutout animation
- Creates Character walk cycle
- Output can be rendered in gif, avi and various other formats

Who can use Synfig

Synfig can be used by

- **2D animators**

Who can use Synfig

Synfig can be used by

- **2D animators**
- **School and college students**

Installation of Synfig on Ubuntu

- **Installation of Synfig on Ubuntu OS**

Installation of Synfig on Windows

- **Installation of Synfig on Windows OS**

Bouncing ball animation

Here, we will learn to

Bouncing ball animation

Here, we will learn to

- **Use Synfig interface**

Bouncing ball animation

Here, we will learn to

- **Use Synfig interface**
- **Draw a ball in Synfig**

Bouncing ball animation

Here, we will learn to

- **Use Synfig interface**
- **Draw a ball in Synfig**
- **Add Keyframes and Waypoints**

Bouncing ball animation

Here, we will learn to

- **Use Synfig interface**
- **Draw a ball in Synfig**
- **Add Keyframes and Waypoints**
- **Do a ball animation with Squash effect**

Bouncing ball animation

Here, we will learn to

- **Use Synfig interface**
- **Draw a ball in Synfig**
- **Add Keyframes and Waypoints**
- **Do a ball animation with Squash effect**
- **Render the animation in gif format**

E-card animation

This will help us to

E-card animation

This will help us to

- **Import png images**

E-card animation

This will help us to

- **Import png images**
- **Animate the images**

E-card animation

This will help us to

- **Import png images**
- **Animate the images**
- **Do text animation**

E-card animation

This will help us to

- **Import png images**
- **Animate the images**
- **Do text animation**
- **Preview the animation**

E-card animation

This will help us to

- **Import png images**
- **Animate the images**
- **Do text animation**
- **Preview the animation**
- **Render the animation in avi format**

Create a Star animation

This will help us to

Create a Star animation

This will help us to

- **Gradient color animation**

Create a Star animation

This will help us to

- **Gradient color animation**
- **Group layers**

Create a Star animation

This will help us to

- **Gradient color animation**
- **Group layers**
- **Star animation**

Draw a Toy train

In this tutorial, we will learn to

Draw a Toy train

In this tutorial, we will learn to

- **Draw basic shapes**

Draw a Toy train

In this tutorial, we will learn to

- **Draw basic shapes**
- **Color the shapes**

Draw a Toy train

In this tutorial, we will learn to

- **Draw basic shapes**
- **Color the shapes**
- **Group and duplicate objects**

Draw a Toy train

In this tutorial, we will learn to

- **Draw basic shapes**
- **Color the shapes**
- **Group and duplicate objects**
- **Align shapes using Guideline**

Animate a Toy train

In this tutorial, we will learn to

Animate a Toy train

In this tutorial, we will learn to

- **Animate the toy train**

Animate a Toy train

In this tutorial, we will learn to

- **Animate the toy train**
- **which we created**

Animate a Toy train

In this tutorial, we will learn to

- **Animate the toy train**
- **which we created**
- **in the previous tutorial**

Plant animation

In this tutorial, we will learn to

Plant animation

In this tutorial, we will learn to

- **Add a vertex using Insert item**

Plant animation

In this tutorial, we will learn to

- **Add a vertex using Insert item**
- **Use Split tangent option**

Plant animation

In this tutorial, we will learn to

- **Add a vertex using Insert item**
- **Use Split tangent option**
- **Use Mark active point as "off "option**

Plant animation

In this tutorial, we will learn to

- **Add a vertex using Insert item**
- **Use Split tangent option**
- **Use Mark active point as "off "option**
- **Animate the shapes**

Logo animation

In this tutorial, we will learn to

Logo animation

In this tutorial, we will learn to

- **Use Mirror tool**

Logo animation

In this tutorial, we will learn to

- **Use Mirror tool**
- **Animate a logo**

Logo animation

In this tutorial, we will learn to

- **Use Mirror tool**
- **Animate a logo**
- **Create Spherize effect**

Basic bone animation

In this tutorial, we will learn to

Basic bone animation

In this tutorial, we will learn to

- **Add and attach bones to character**

Basic bone animation

In this tutorial, we will learn to

- **Add and attach bones to character**
- **Animate the char acter using Skeleton option**

Cutout animation

In this tutorial, we will learn to

Cutout animation

In this tutorial, we will learn to

- **Use the Cutout tool on an image**

Cutout animation

In this tutorial, we will learn to

- **Use the Cutout tool on an image**
- **Animate the cutout shapes**

Rocket animation

In this tutorial, we will learn to

Rocket animation

In this tutorial, we will learn to

- **Fire effect**

Rocket animation

In this tutorial, we will learn to

- **Fire effect**
- **Noise gradient**

Rocket animation

In this tutorial, we will learn to

- **Fire effect**
- **Noise gradient**
- **Feather effect**

Underwater animation

- **Import pngs and svgs**

Underwater animation

- Import pngs and svgs
- Animate the image using Distortion effect

Underwater animation

- Import pngs and svgs
- Animate the image using Distortion effect
- Noise gradient on an image

Underwater animation

- Import pngs and svgs
- Animate the image using Distortion effect
- Noise gradient on an image
- Use Random option for random animation

Summary

- **We learnt about Synfig**

Summary

- We learnt about Synfig
- Saw glimpses of the tutorials in this series

Summary

- We learnt about Synfig
- Saw glimpses of the tutorials in this series

About the Spoken Tutorial Project

- **The video at the following link summarizes the Spoken Tutorial Project**
- **http://spoken-tutorial.org /What_is_a_Spoken_Tutorial**
- **Please download and watch it**

About the Spoken Tutorial Project

The Spoken Tutorial project team

- **conducts workshops and**
- **gives certificates**
- **For more details, please write to us**
- **contact@spoken-tutorial.org**

Forum for specific question

- Do you have questions in THIS Spoken Tutorial?
- Please visit http://forums.spoken-tutorial.org
- Choose the minute and second where you have the question
- Explain your question briefly
- Someone from the Spoken Tutorial forum will answer them

Forum for specific question

- **The Spoken Tutorial forum is for specific questions on this tutorial**
- **Please do not post unrelated and general questions on them**
- **This will help reduce the clutter**
- **With less clutter, we can use these discussion as instructional material**

Acknowledgements

- **Spoken Tutorial project is funded by National Mission on Education through ICT, MHRD, Government of India**
- **More information on this Mission is available at http://spoken-tutorial.org/NMEICT-Intro**