Uploading an Spice Subcircuit file in eSim

Spoken Tutorial Project
https://spoken-tutorial.org
National Mission on Education through ICT

http://sakshat.ac.in

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25 May 2020

In this tutorial, we will learn to-

Learning Objectives

In this tutorial, we will learn to-

▶ **Upload an external spice Subcircuit file in eSim**

System Requirements

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- **Ubuntu Linux OS version 16.04**

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- **Ubuntu Linux OS version 16.04**
- **eSim version 2.0**

Prerequisites

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▶ **To create and simulate a circuit and a subcircuit in eSim**

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- **https://spoken-tutorial.org/**

.SUBCKT subnam N1 N2

- ▶ The subcircuit file begins with `.Subckt` line

.Ends subnam

- ▶ The subcircuit file ends with `.Ends` line

Introduction

- ▶ **The Upload option is available in the eSim 2.0 and later versions**
- ▶ **The subcircuit file is added to the eSim subcircuit library**
- ▶ **Refer to the Ngspice manual**

Code File

▶ Download **Fulladder_using_Nand** text file from the Code file section available on this page

▶ Save it on Desktop with a `.sub` extension

Summary

In this tutorial, we learnt:

- ▶ **To upload an external spice Subcircuit file in eSim**

Forum to answer questions

▶ **Do you have questions in this Spoken Tutorial?**

▶ **Choose the minute and second where you have the question.**

▶ **Explain your question briefly.**

▶ **Someone from the FOSSEE team will answer**

https://forums.spoken-tutorial.org/

▶ **Please post your queries on eSim in the FOSSEE forum.**
https://forums.fossee.in/

Circuit Simulation

▶ **The FOSSEE team coordinates the Circuit Simulation project.**

▶ **Contributors will receive `Certificates` and `Honorarium`.**

▶ **For more details, please visit this site:**
https://esim.fossee.in/circuit-simulation-project

Lab Migration

- ▶ **The FOSSEE team coordinates the Lab Migration project.**
- ▶ **For more details, please visit this site:**
  https://esim.fossee.in/lab-migration-project

Acknowledgements

- **Spoken Tutorial Project is funded by NMEICT, MHRD, Govt. of India.**

- **For more details, visit this website.**
  https://spoken-tutorial.org/

THANK YOU!