

Simulink Library Browser

File Edit View Help

Enter search term

Libraries

- Model Predictive Control ...
- Neural Network Toolbox
- OPC Toolbox
- RF Blockset
- Real-Time Windows Tar...
- Real-Time Workshop
- Real-Time Workshop Em...
- Report Generator
- Robust Control Toolbox
- Signal Processing Block...
- SimEvents
- SimPowerSystems
 - Application Libraries
 - Electrical Sources
 - Elements
- Extra Library
- Machines
- Measurements
- Power Electronics
- Simscape
- Simulink 3D Animation
- Simulink Control Design
- Simulink Design Optimiza...
- Simulink Design Verifier
- Simulink Extras
- Simulink Verification and...
- Stateflow
- System Identification To...
- Target Support Package ...
- Target Support Package ...

Library: SimPowerSystems/Electrical Sources | Search Results: (none)

AC Current Source

AC Voltage Source

Battery

Controlled Current Source

Controlled Voltage Source

DC Voltage Source

Three-Phase Programmable...

Three-Phase Source

Block Description

 SimPowerSystems/Electrical Sources/AC Voltage Source: Ideal sinusoidal AC Voltage source.

Showing: SimPowerSystems/Electrical Sources

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Library: SimPowerSystems/Electrical Sources | Search Results: (none)

AC Current Source

AC Voltage

Three-Phase Programmable...

Controlled Current Source

Controlled Voltage Source

DC Voltage Source

Add to a new model Ctrl+I

Help for the AC Voltage Source block

Go to parent

Block parameters

Block Description



SimPowerSystems/Electrical Sources/AC Voltage Source: Ideal sinusoidal AC Voltage source.

Showing: SimPowerSystems/Electrical Sources



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- Target Support Package ...

Library: SimPowerSystems/Electrical Sources

AC Current Source

AC Voltage Source

Three-Phase Programmable...

Three-Phase Source

untitled *

File Edit View Simulation Format Tools Help

10.0 Normal

AC Voltage Source

Ready 100% ode45

Block Description



SimPowerSystems/Electrical Sources/AC Voltage Source: Ideal sinusoidal AC Voltage source.

Showing: SimPowerSystems/Electrical Sources



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Library: SimPowerSystems/Elements Search Results: (none)

	Breaker		Connection Port		Distributed Parameters Line		Ground		Grounding Transformer		Linear Transformer
	Multi-Winding Transformer		Mutual Inductance		Neutral		Parallel RLC Branch		Parallel RLC Load		Pi Section Line
	Saturable Transformer		Series RLC Branch		Series RLC Load		Surge Arrester		Three-Phase Breaker		Three-Phase Dynamic Load
	Three-Phase Fault		Three-Phase Harmonic Filter		Three-Phase Mutual Inductance		Three-Phase Pi Section Line		Three-Phase Parallel RLC Branch		Three-Phase Parallel RLC Load
	Three-Phase Series RLC Branch		Three-Phase Series RLC Load		Three-Phase Transformer (Three-Winding)		Three-Phase Transformer (Two-Winding)		Three-Phase Transformer 12-Pulse		Three-Phase Transformer Inductor
	Three-Phase Transformer Inductor		Zigzag Phase-Shifting Transformer								

Block Description

SimPowerSystems/Elements/Linear Transformer: Implements a three windings linear transformer.

Click the Apply or the OK button after a change to the Units popup to confirm the conversion of parameters.

Showing: SimPowerSystems/Elements

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- Target Support Package ...
- Target Support Package ...

Library: SimPowerSystems/Elements Search Results: (none)

	Breaker		Connection Port		Distributed Parameters Line		Ground		Grounding Transformer
	Multi-Winding Transformer		Mutual Inductance		Neutral		Parallel RLC Branch		Parallel RLC Load
	Saturable Transformer		Series RLC Branch		Series RLC Load		Surge Arrester		Three-Phase Breaker
	Three-Phase Fault		Three-Phase Harmonic Filter		Three-Phase Mutual Inductance		Three-Phase PI Section Line		Three-Phase Parallel RLC Branch
	Three-Phase Series RLC Branch		Three-Phase Series RLC Load		Three-Phase Transformer (Three-Winding)		Three-Phase Transformer (Two-Winding)		Three-Phase Transformer 12-Pulse
	Three-Phase Transformer Inductor		Zigzag Phase-Shifting Transformer						

Linear

- Add to trans Ctrl+I
- Help for the Linear Transformer block
- Go to parent
- Block parameters

Block Description

SimPowerSystems/Elements/Linear Transformer: Implements a three windings linear transformer.

Click the Apply or the OK button after a change to the Units popup to confirm the conversion of parameters.

Showing: SimPowerSystems/Elements

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- Target Support Package ...
- Target Support Package ...

Library: SimPowerSystems/Measurements Search Results: (none)

Current Measurement Impedance Measurement Multimeter Three-Phase V-I Measurement Voltage Measurement

Block Description

 **SimPowerSystems/Measurements/Current Measurement:** Ideal current measurement.

Showing: SimPowerSystems/Measurements

Taskbar with icons for Windows Explorer, Google Chrome, Adobe Reader, Firefox, Microsoft Word, Excel, PowerPoint, and Paint. System tray shows EN, volume, network, and clock (06:39).

Simulink Library Browser

File Edit View Help

Enter search term

Libraries

- Simulink
 - Commonly Used Blocks
 - Continuous
 - Discontinuities
 - Discrete
 - Logic and Bit Operations
 - Lookup Tables
 - Math Operations
 - Model Verification
 - Model-Wide Utilities
 - Ports & Subsystems
 - Signal Attributes
 - Signal Routing
 - Sinks**
 - Sources
 - User-Defined Functions
- Additional Math & Discrete
- Aerospace Blockset
- Communications Blockset
- Control System Toolbox
- Data Acquisition Toolbox
- EDA Simulator Link DS
- EDA Simulator Link IN
- EDA Simulator Link MQ
- Embedded IDE Link CC
- Embedded IDE Link MU
- Embedded IDE Link VS
- Fuzzy Logic Toolbox
- Gauges Blockset
- Image Acquisition Toolbox

Library: Simulink/Sinks Search Results: (none)

Display Floating Scope Out1 Scope Stop Simulation Terminator

untitled.mat To File simout To Workspace XY Graph

Block Description

 Simulink/Sinks/Display: Numeric display of input values.

Showing: Simulink/Sinks

EN 06:40 ۰۶/۰۲/۰۵

Simulink Library Browser

File Edit View Help

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Libraries

Real-Time Workshop

Real-Time Workshop Em...

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Simulink Verification and...

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System Identification To...

Target Support Package ...

Target Support Package ...

Target Support Package ...

Target Support Package ...

Target Support Package ...

Vehicle Network Toolbox

Video and Image Proces...

xPC Target

Library: SimPowerSystems/Elements

Search Results: (none)

Breaker

Multi-Winding Transformer

Saturable Transformer

Three-Phase Fault

Three-Phase S-eries RLC Bra...

Three-Phase Tr-ansformer Ind...

Connection Port

Mutual Inductance

Series RLC Branch

Three-Phase Harmonic Filter

Three-Phase S-eries RLC Load

Zigzag Phase-S-ifting Transfo...

Distributed Parameters Line

Neutral

Series RLC Load

Three-Phase M-utual Inductan...

Three-Phase Tr-ansformer (Thr...

Ground

Parallel RLC Branch

Surge Arrester

Three-Phase PI Section Line

Three-Phase Tr-ansformer (Tw...

Grounding Transformer

Parallel RLC Load

Three-Phase Breaker

Three-Phase P-arallel RLC Br...

Three-Phase Tr-ansformer 12...

Linear Transformer

Pi Section Line

Three-Phase Dynamic Load

Three-Phase P-arallel RLC Lo...

Three-Phase Tr-ansformer Ind...

Block Description

SimPowerSystems/Elements/Ground: Ground connection.

Showing: SimPowerSystems/Elements

EN 06:42 ۶۶۶ ۲۰۲۰/۲۰/۰۵

Simulink Library Browser

File Edit View Help

Enter search term

Libraries

Real-Time Workshop

Real-Time Workshop Em...

Report Generator

Robust Control Toolbox

Signal Processing Block...

SimEvents

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Simulink Verification and...

Stateflow

System Identification To...

Target Support Package ...

Target Support Package ...

Target Support Package ...

Target Support Package ...

Target Support Package ...

Vehicle Network Toolbox

Video and Image Proces...

xPC Target

Library: SimPowerSystems/Elements

Search Results: (none)

Breaker

Multi-Winding Transformer

Saturable Transformer

Three-Phase Fault

Three-Phase S-eries RLC Bra...

Three-Phase Tr-ansformer Ind...

Connection Port

Mutual Inductance

Series RLC Branch

Three-Phase Harmonic Filter

Three-Phase S-eries RLC Load

Zigzag Phase-S-ifting Transfo...

Distributed Parameters Line

Neutral

Series RLC Load

Three-Phase M-utual Inductan...

Three-Phase Tr-ansformer (Thr...

Ground

Parallel RLC Branch

Surge Arrester

Three-Phase PI Section Line

Three-Phase Tr-ansformer (Tw...

Grounding Transformer

Parallel RLC Load

Three-Phase Breaker

Three-Phase P-arallel RLC Br...

Three-Phase Tr-ansformer 12...

Linear Transformer

Pi Section Line

Three-Phase Dynamic Load

Three-Phase P-arallel RLC Lo...

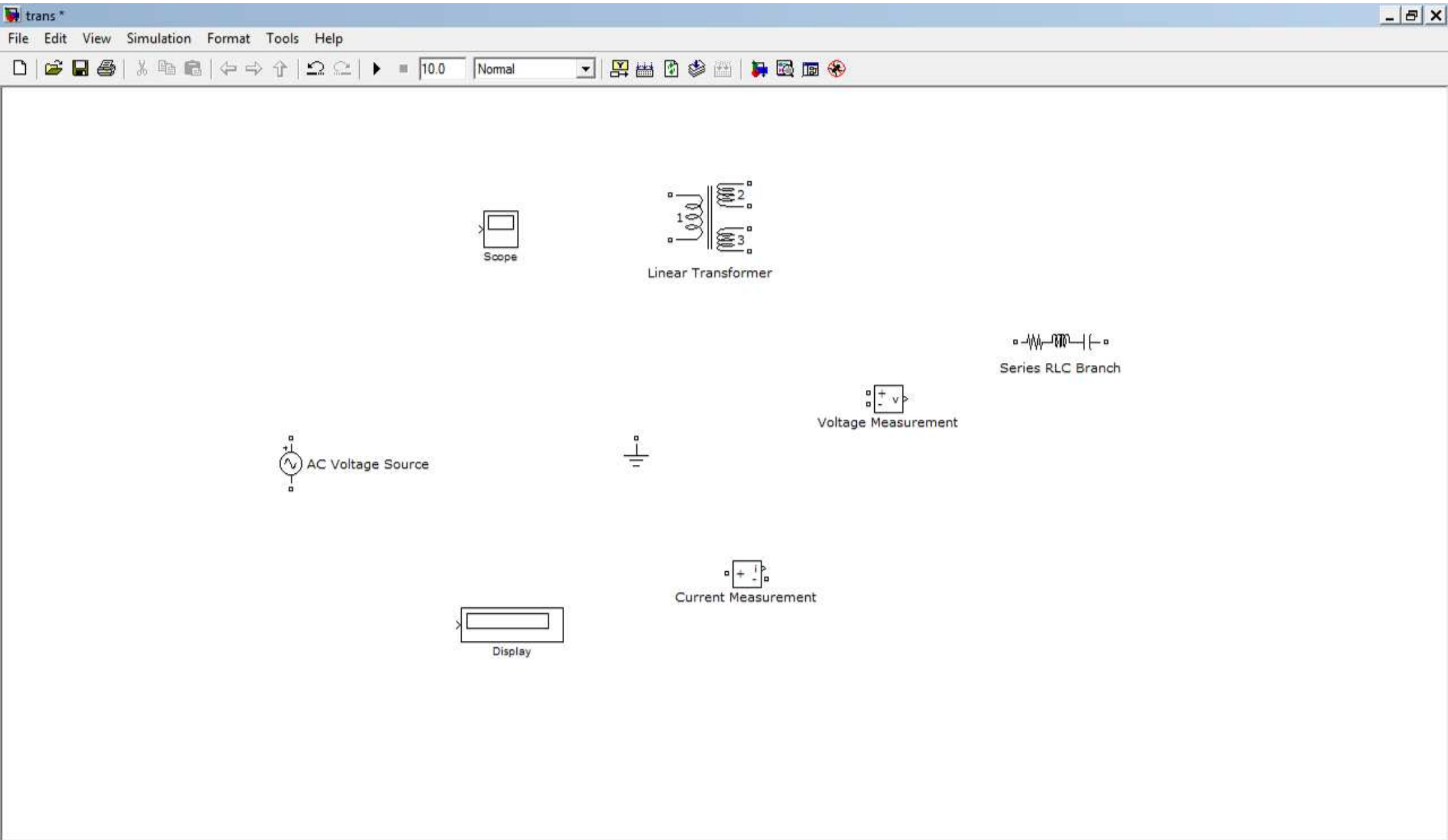
Three-Phase Tr-ansformer Ind...

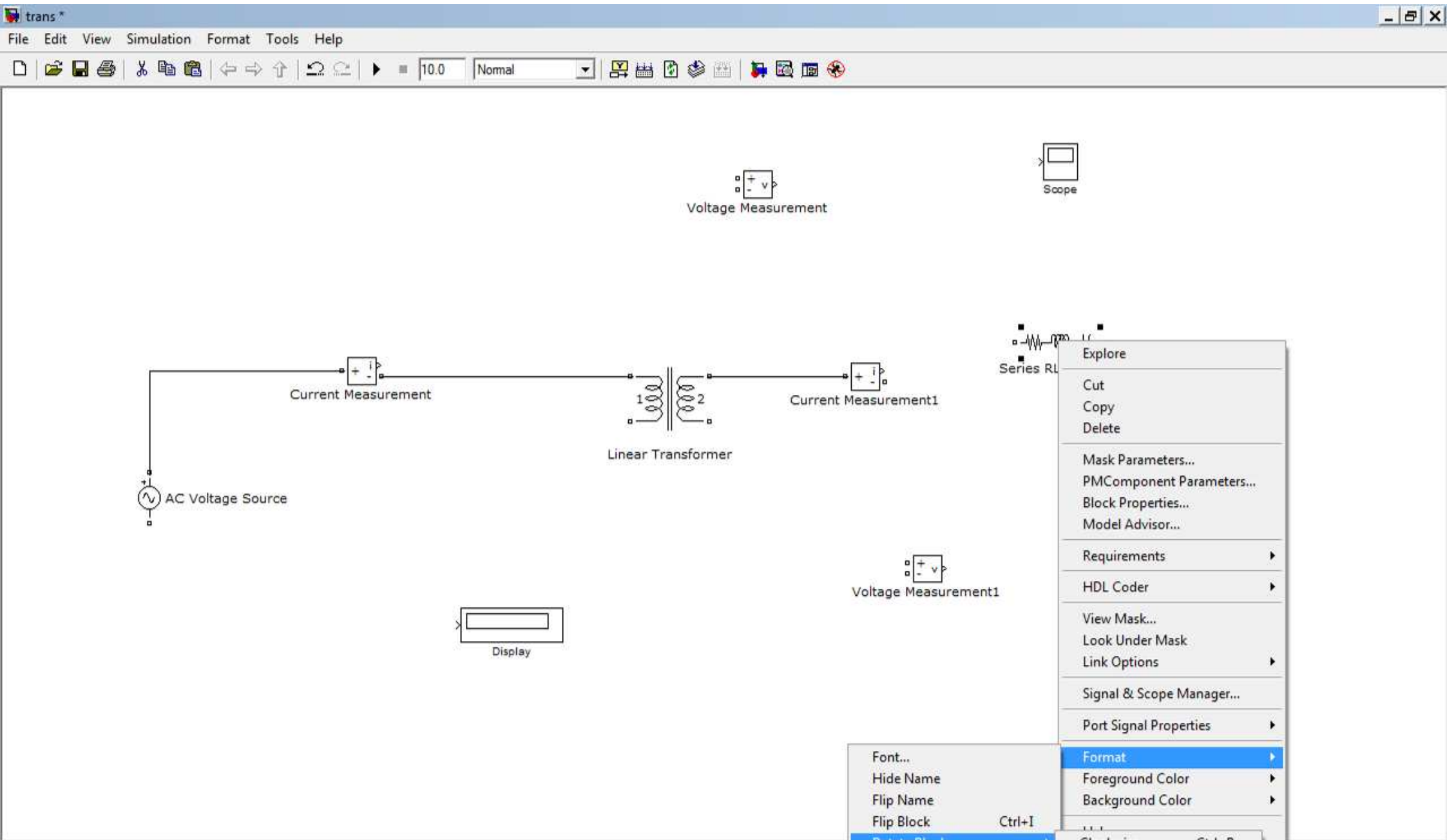
Block Description

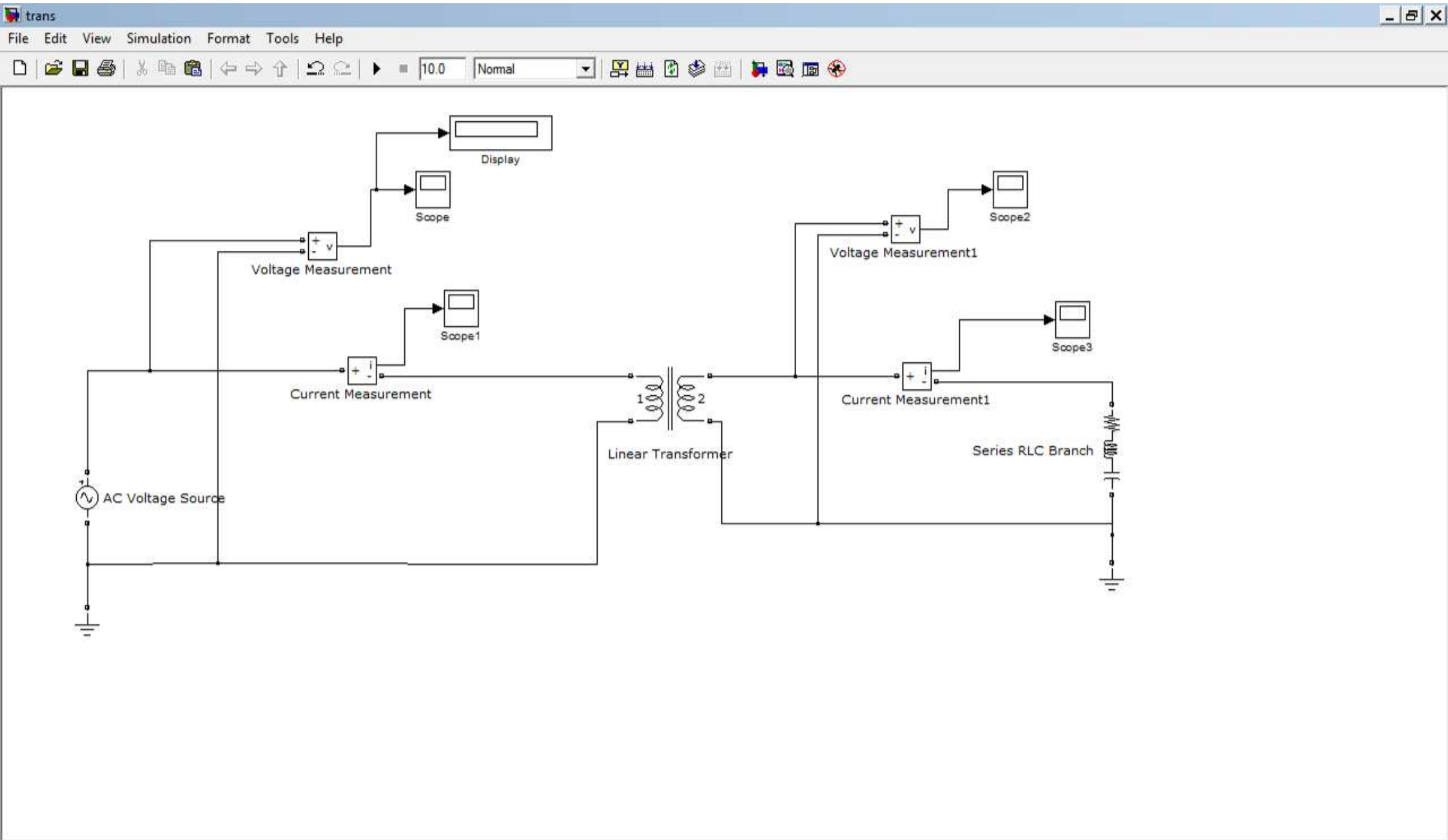
SimPowerSystems/Elements/Ground: Ground connection.

Showing: SimPowerSystems/Elements

EN 06:42 ۶۶٪ ۲۰۲۰/۲۰/۰۵







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- System Identification To...
- Target Support Package ...
- Target Support Package ...
- Target Support Package ...
- Target Support Package ...
- Vehicle Network Toolbox
- Video and Image Proces...
- xPC Target

Library: SimPowerSystems Search Results: (none)

Application Libraries Electrical Sources Elements Extras Extra Library Machines Measurements

Power Electronics powergui powergui

Block Description

powergui

SimPowerSystems/powergui: Set simulation type, simulation parameters, and preferences

Showing: SimPowerSystems

