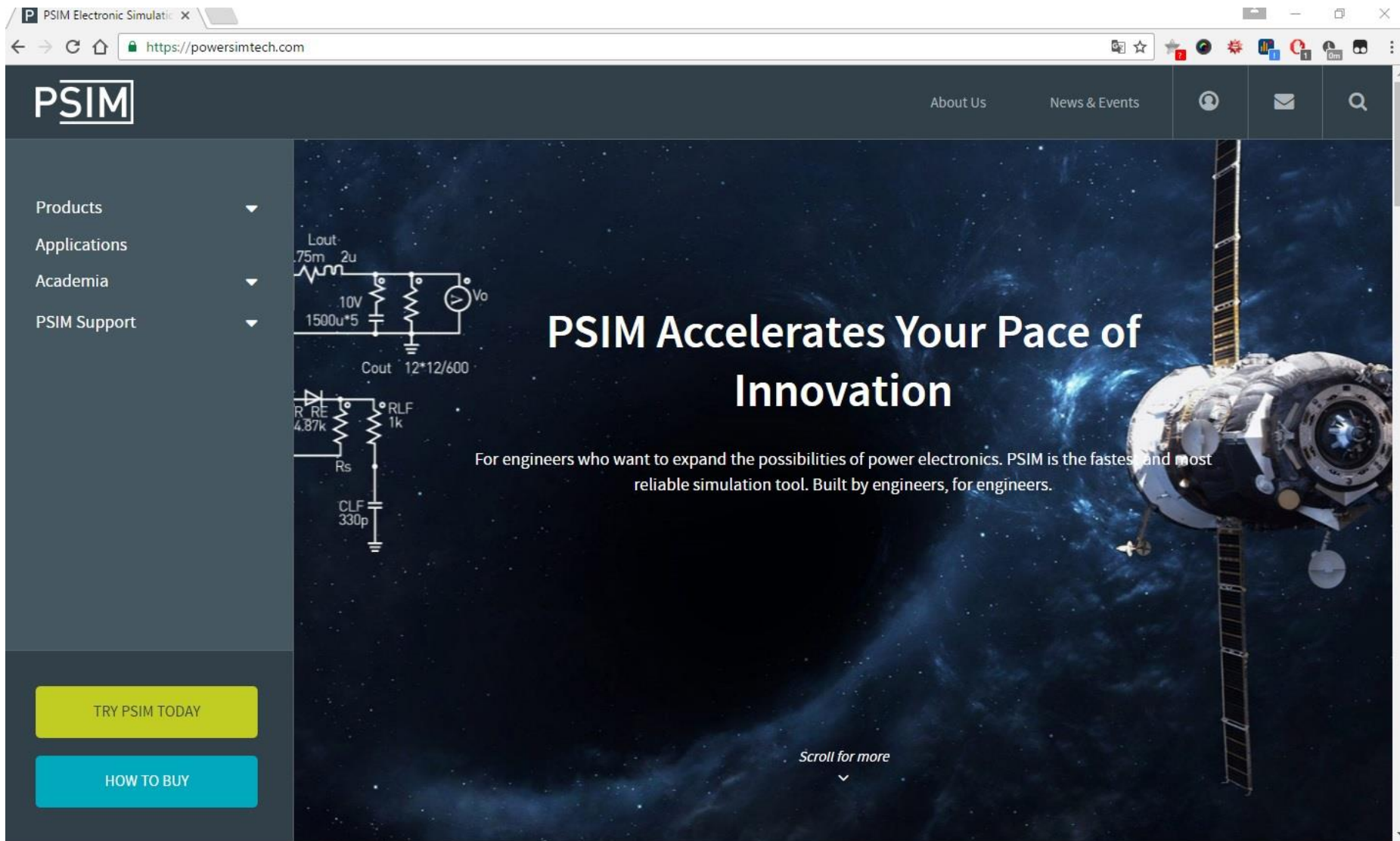


- Παρουσίαση PSIM

Γενικές πληροφορίες

- Power Simulator program
- Πρόγραμμα σχεδίασης και προσομοίωσης ηλεκτρικών συστημάτων

Οδηγίες για download



The screenshot shows the PSIM website homepage. The browser address bar displays <https://powersimtech.com>. The PSIM logo is in the top left corner. A navigation menu on the left includes 'Products', 'Applications', 'Academia', and 'PSIM Support'. The main content area features a circuit diagram on the left and a large banner on the right. The banner has the text 'PSIM Accelerates Your Pace of Innovation' and a subtext 'For engineers who want to expand the possibilities of power electronics. PSIM is the fastest and most reliable simulation tool. Built by engineers, for engineers.' Below the banner are two buttons: 'TRY PSIM TODAY' and 'HOW TO BUY'. A 'Scroll for more' indicator is at the bottom right of the banner.

PSIM Electronic Simulation

<https://powersimtech.com>

PSIM

About Us News & Events

Products

Applications

Academia

PSIM Support

Lout: 75m 2u

10V

1500u*5

Cout 12*12/600

RLF 1k

CLF 330p

Rs

RE

4.87k

Vo

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The image shows a web browser window displaying the PSIM website. A red callout box points to the address bar, which contains the URL <https://powersimtech.com>. The website header features the PSIM logo and a navigation menu with the following items: Products, Applications, Academia, and PSIM Support. The main content area has a dark background with a satellite image on the right. On the left, there is a circuit diagram with components labeled: $L_{out} = 75m$, $2u$, $10V$, $1500u \times 5$, $C_{out} = 12 \times 12 / 600$, $R_{RE} = 4.87k$, R_s , $CLF = 330p$, $RLF = 1k$, and V_o . The main text reads "PSIM Accelerates Your Pace of Innovation". Below this, a subtitle states: "For engineers who want to expand the possibilities of power electronics. PSIM is the fastest and most reliable simulation tool. Built by engineers, for engineers." At the bottom left, there are two buttons: "TRY PSIM TODAY" (yellow) and "HOW TO BUY" (teal). At the bottom right, there is a "Scroll for more" link with a downward arrow.

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$L_{out} = 75m$, $2u$, $10V$, $1500u \times 5$, $C_{out} = 12 \times 12 / 600$, $R_{RE} = 4.87k$, R_s , $CLF = 330p$, $RLF = 1k$, V_o

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The image shows a web browser window displaying the PSIM website. The browser's address bar shows the URL <https://powersimtech.com>. The website has a dark theme with a navigation bar at the top containing links for 'About Us' and 'News & Events', along with icons for user profile, email, and search. On the left side, there is a sidebar menu with the following items: 'Products', 'Applications', 'Academia', and 'PSIM Support', each with a downward arrow. The main content area features a large background image of a satellite in space. Overlaid on this is a circuit diagram of a power converter. The main heading reads 'PSIM Accelerates Your Pace of Innovation'. Below this, a subheading states: 'For engineers who want to expand the possibilities of power electronics. PSIM is the fastest and most reliable simulation tool. Built by engineers, for engineers.' At the bottom of the main content area, there is a 'Scroll for more' indicator with a downward arrow. In the bottom left corner, there are two buttons: a yellow one labeled 'TRY PSIM TODAY' and a blue one labeled 'HOW TO BUY'. A red arrow points to the 'TRY PSIM TODAY' button.

PSIM Electronic Simulation

<https://powersimtech.com>

PSIM

About Us News & Events

Products
Applications
Academia
PSIM Support

Lout: 75m 2u
10V
1500u*5
Cout 12*12/600
R RE 4.87k
Rs
CLF 330p
RLF 1k
Vo

PSIM Accelerates Your Pace of Innovation

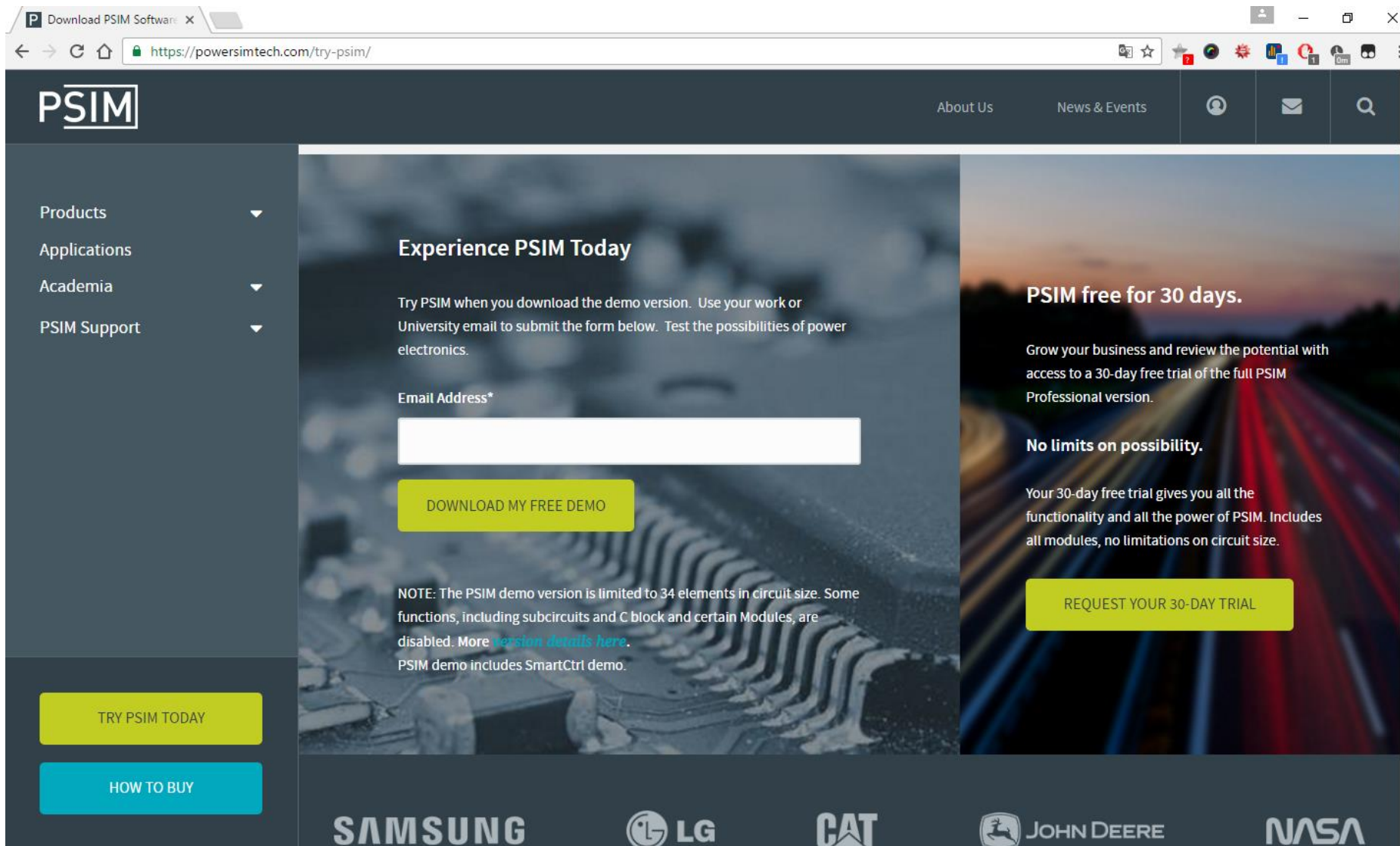
For engineers who want to expand the possibilities of power electronics. PSIM is the fastest and most reliable simulation tool. Built by engineers, for engineers.

TRY PSIM TODAY

HOW TO BUY

Scroll for more

Οδηγίες για download



The screenshot shows the PSIM website interface. At the top, the browser address bar displays 'https://powersimtech.com/try-psim/'. The PSIM logo is in the top left corner. A navigation menu on the left lists 'Products', 'Applications', 'Academia', and 'PSIM Support'. The main content area is divided into two sections. The left section, titled 'Experience PSIM Today', contains a text block about downloading the demo version, an email address input field, a 'DOWNLOAD MY FREE DEMO' button, and a note about the demo's limitations. The right section, titled 'PSIM free for 30 days.', describes a 30-day free trial of the full PSIM Professional version, includes the text 'No limits on possibility.', and a 'REQUEST YOUR 30-DAY TRIAL' button. At the bottom left, there are two buttons: 'TRY PSIM TODAY' and 'HOW TO BUY'. The footer features logos for Samsung, LG, CAT, John Deere, and NASA.

Download PSIM Software x

https://powersimtech.com/try-psim/

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SAMSUNG LG CAT JOHN DEERE NASA

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SAMSUNG LG CAT JOHN DEERE NASA

Οδηγίες για download

The screenshot shows a web browser window with the URL <https://powersimtech.com/try-psim/psim-demo/>. The page features a dark blue header with the PSIM logo on the left and navigation links for 'About Us', 'News & Events', a user profile icon, an email icon, and a search icon on the right. A left sidebar contains a menu with 'Products', 'Applications', 'Academia', and 'PSIM Support', each with a dropdown arrow. The main content area has a large heading 'PSIM Demo' followed by 'Thank you!'. Below this, a message states: 'Your demo download should begin automatically. If not, click [here](#)'. Another message says: 'While you wait for your download to complete, here are a few links to get you started:'. A bulleted list follows with links to 'Video Tutorials', 'PSIM Frequently Asked Questions', and 'PSIM Forum'. At the bottom left, there are two buttons: 'TRY PSIM TODAY' (yellow) and 'HOW TO BUY' (teal). The bottom right section displays logos for 'SAMSUNG', 'NASA', 'CAT', 'JOHN DEERE', and 'LG'.

PSIM Demo | Powersim

<https://powersimtech.com/try-psim/psim-demo/>

PSIM

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PSIM Support ▾

PSIM Demo

Thank you!

Your demo download should begin automatically. If not, click [here](#)

While you wait for your download to complete, here are a few links to get you started:

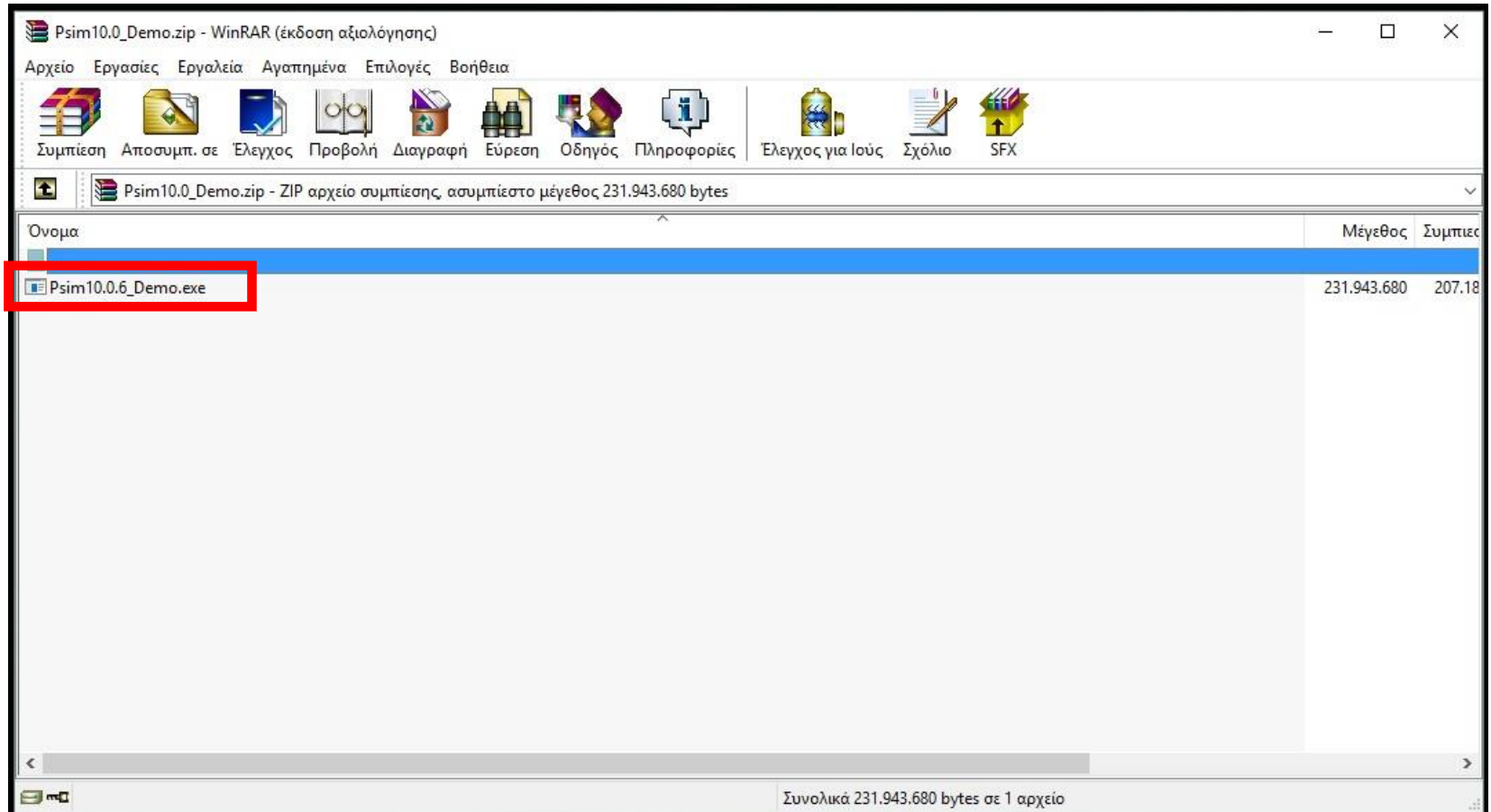
- [Video Tutorials](#)
- [PSIM Frequently Asked Questions](#)
- [PSIM Forum](#)

TRY PSIM TODAY

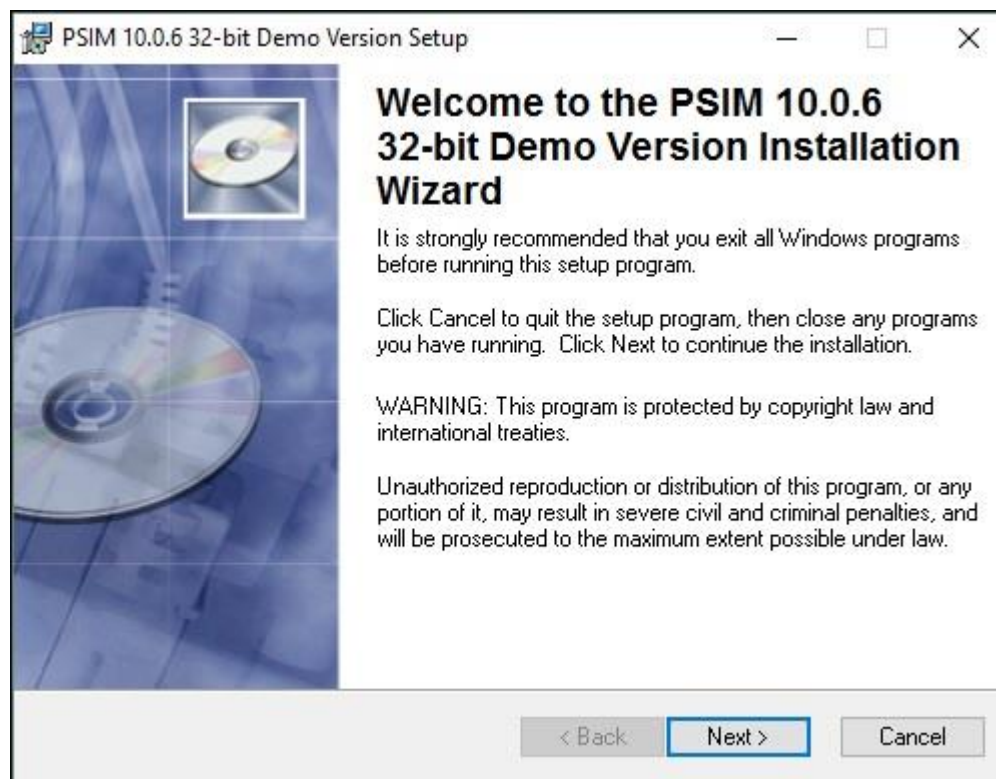
HOW TO BUY

SAMSUNG NASA CAT JOHN DEERE LG

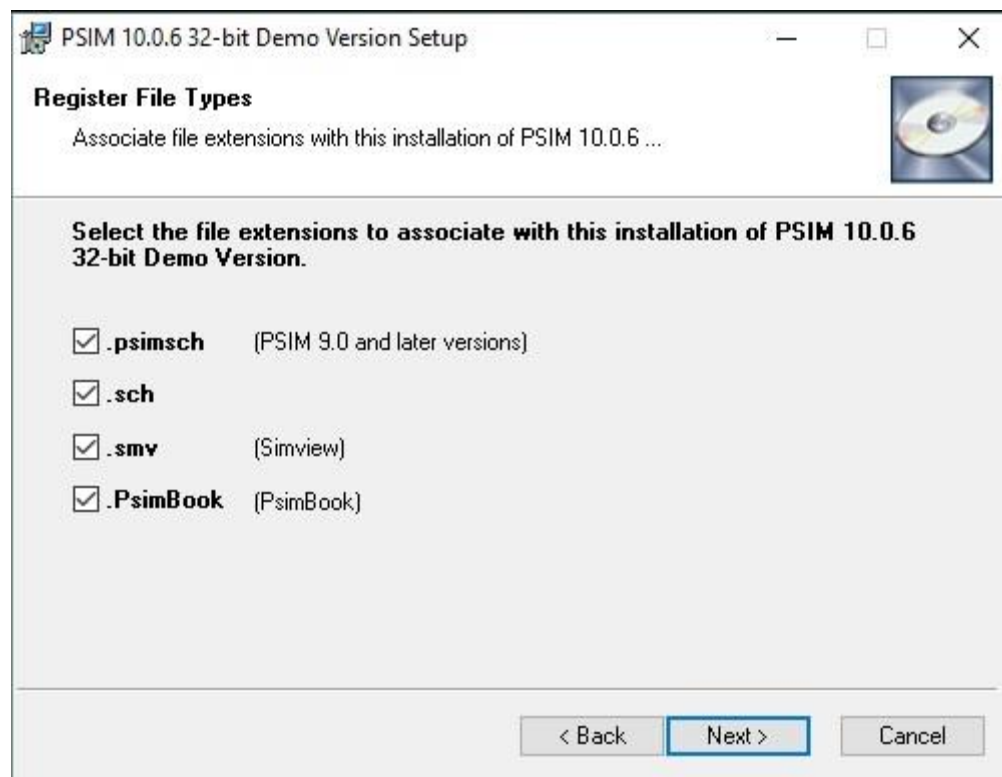
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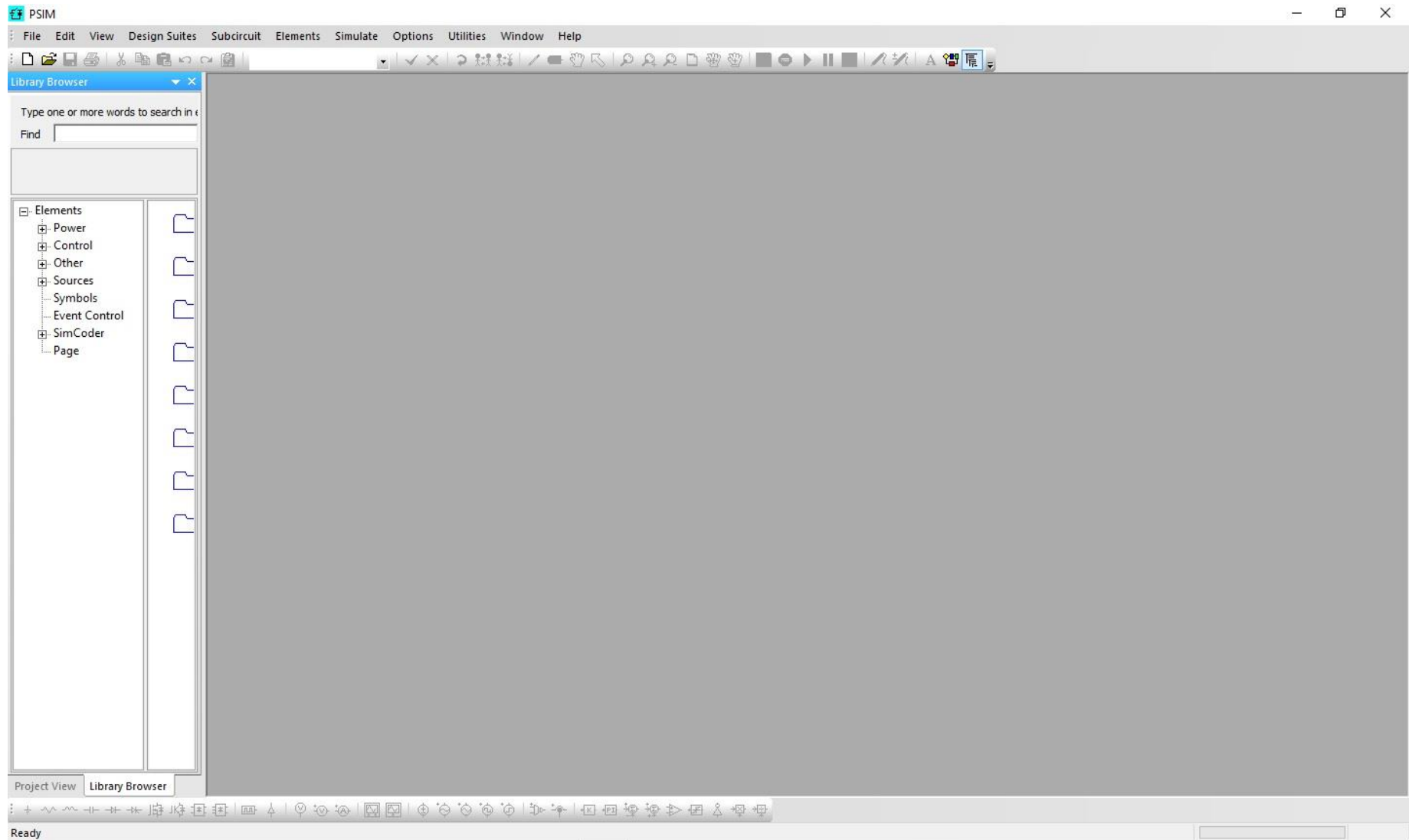
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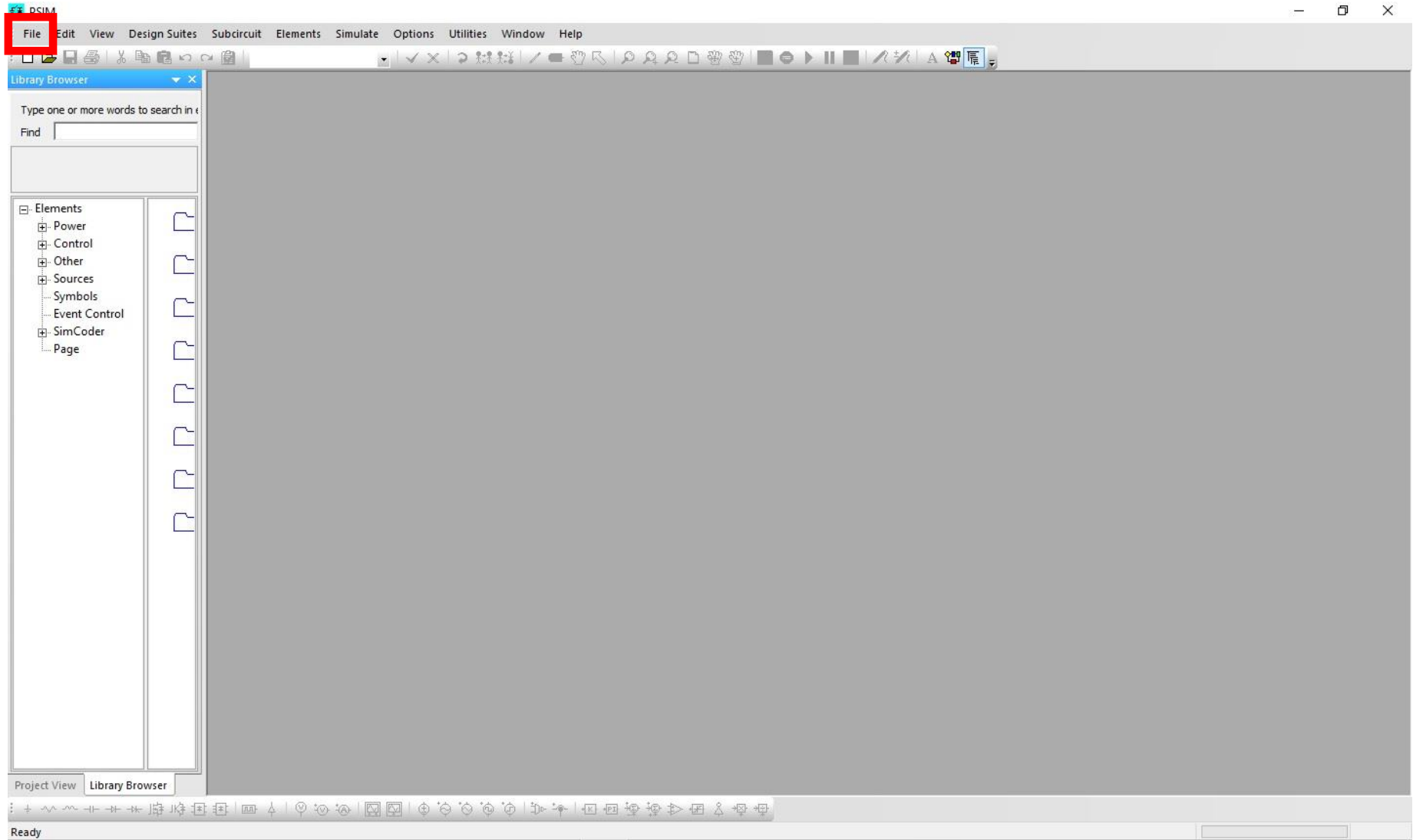
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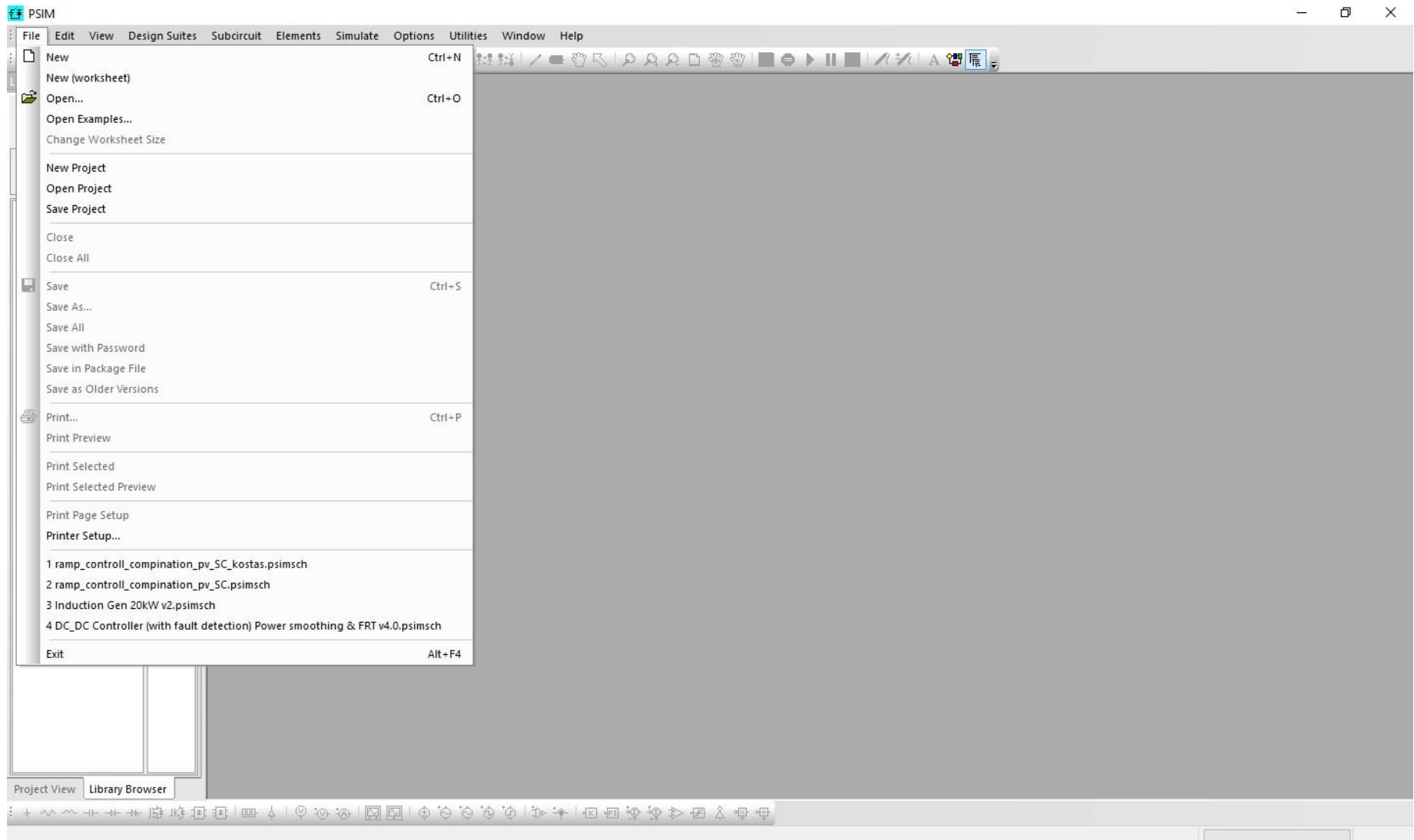
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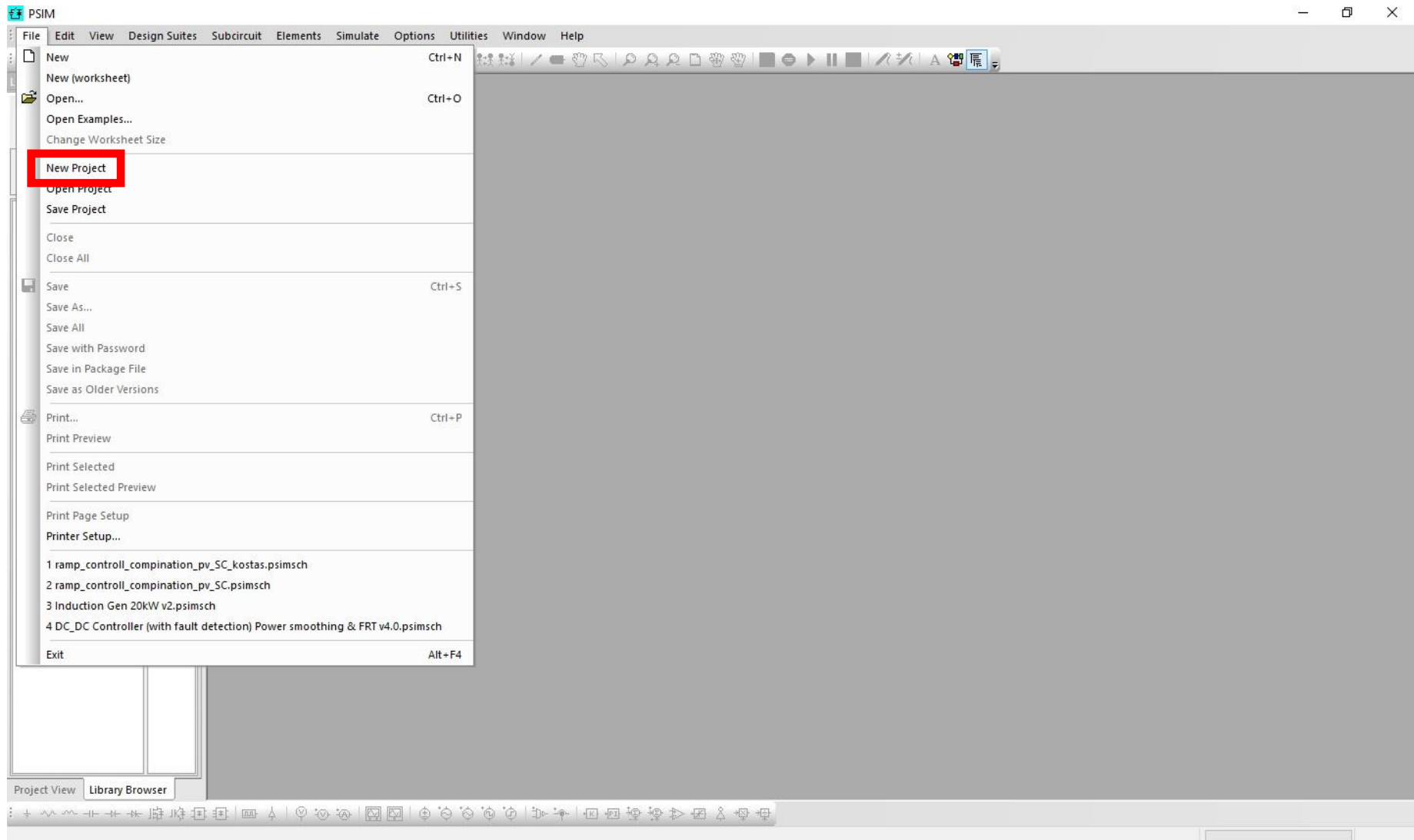
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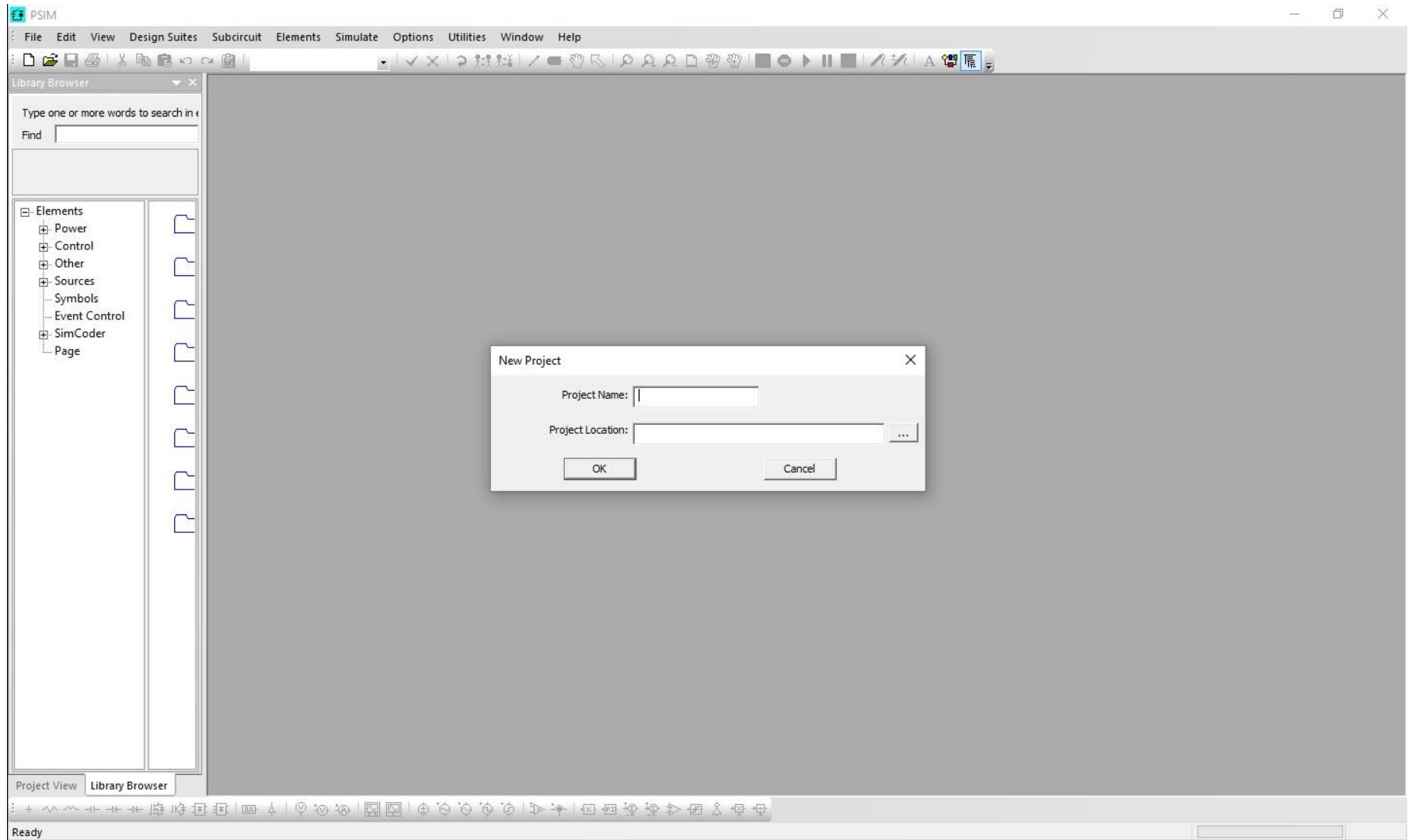
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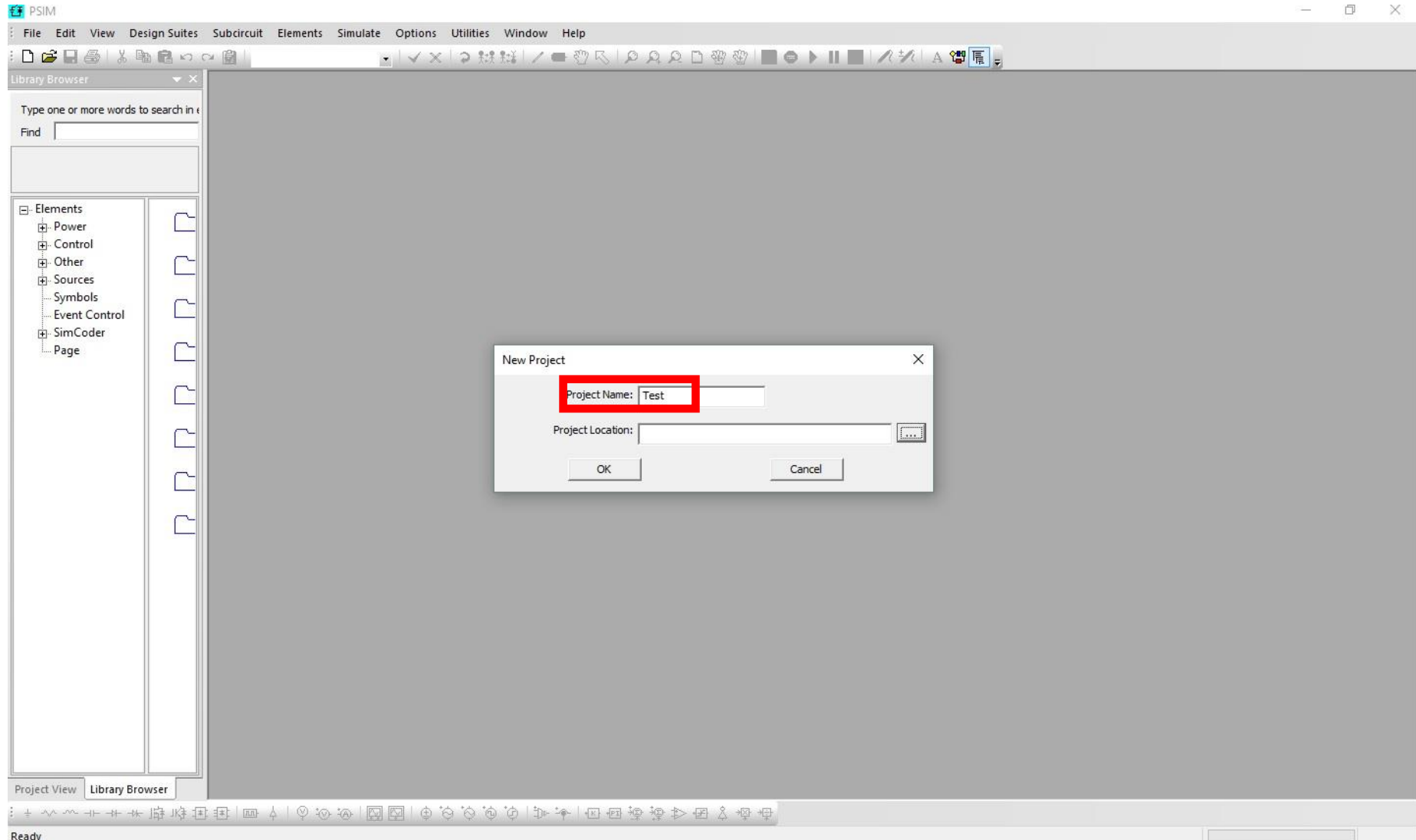
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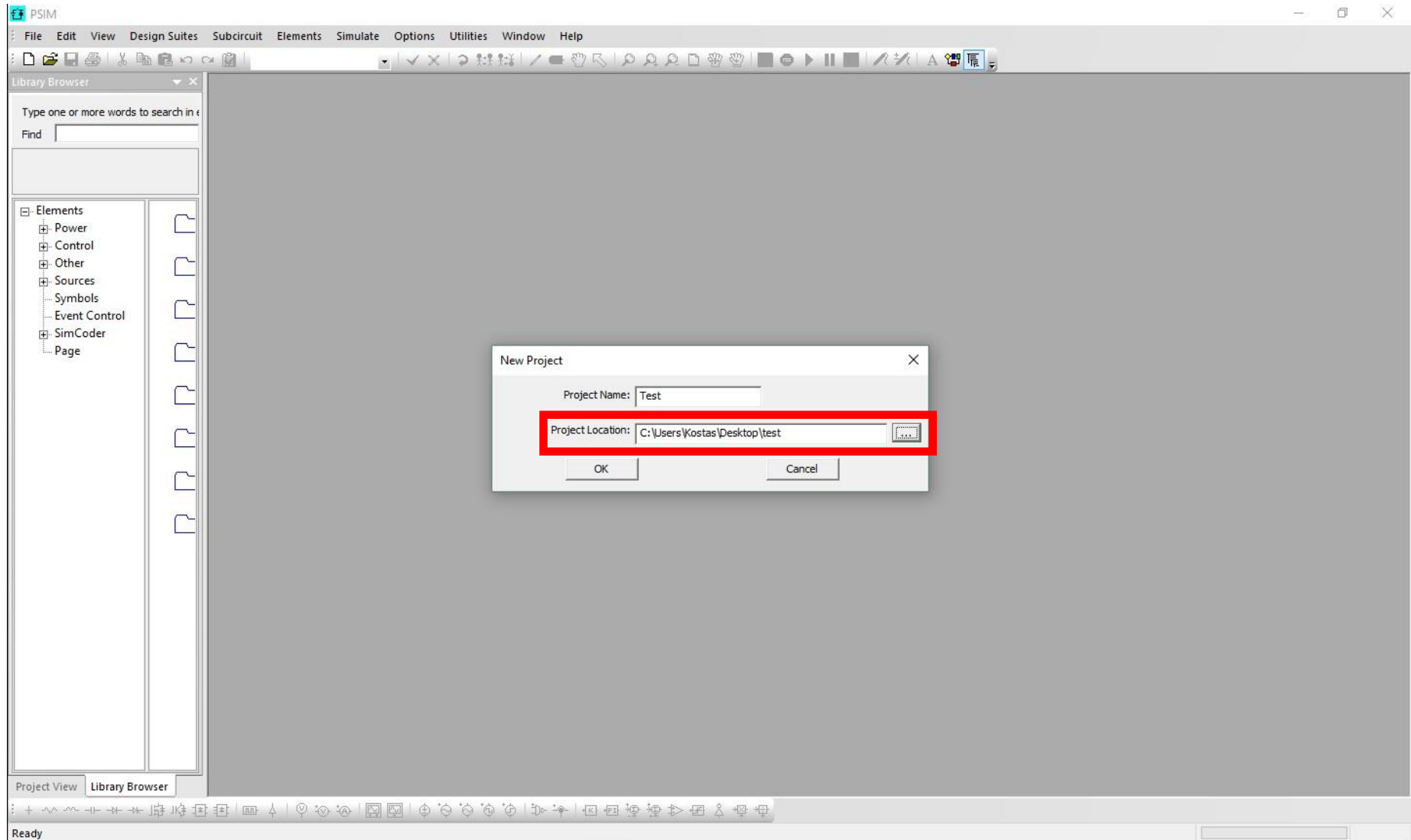
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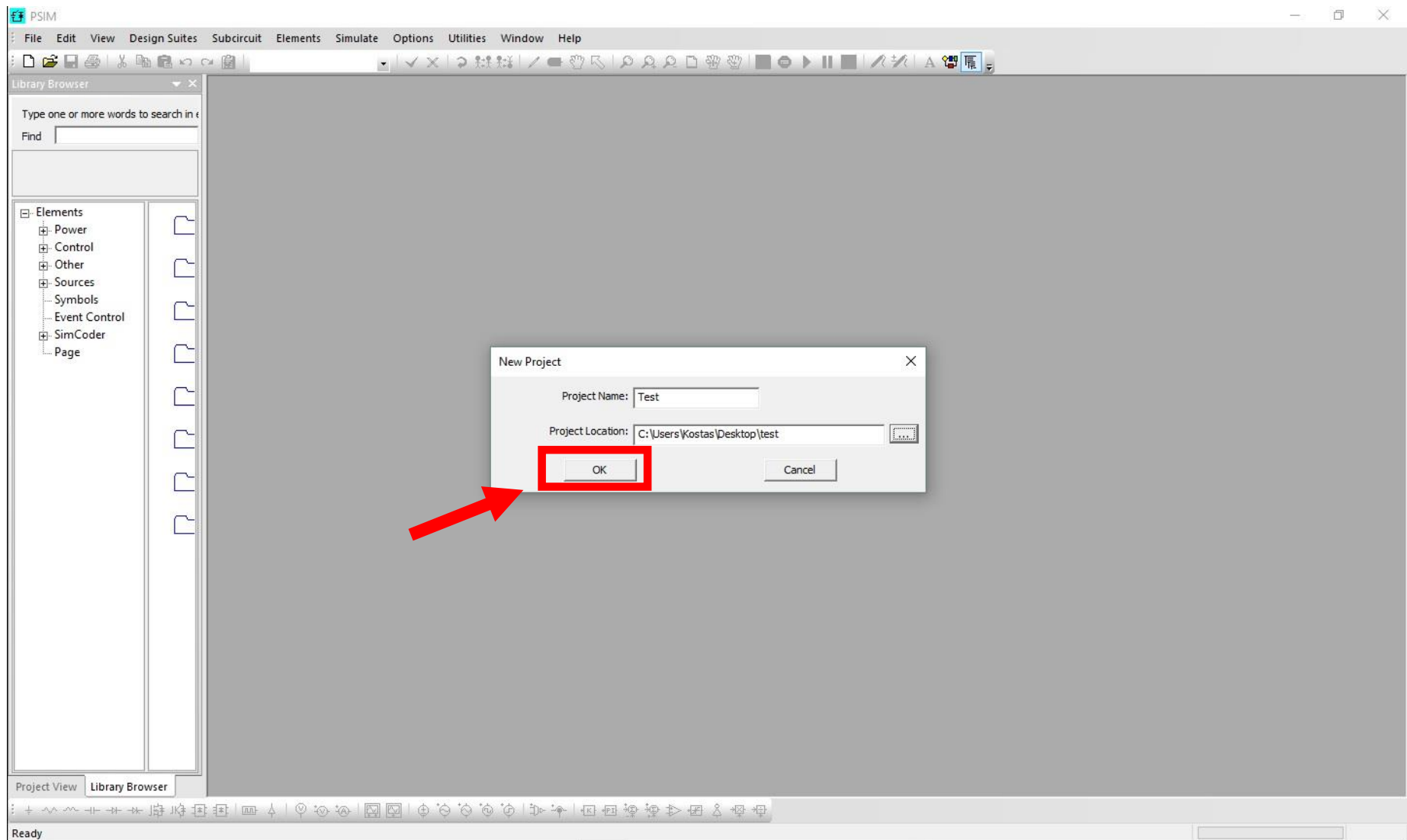
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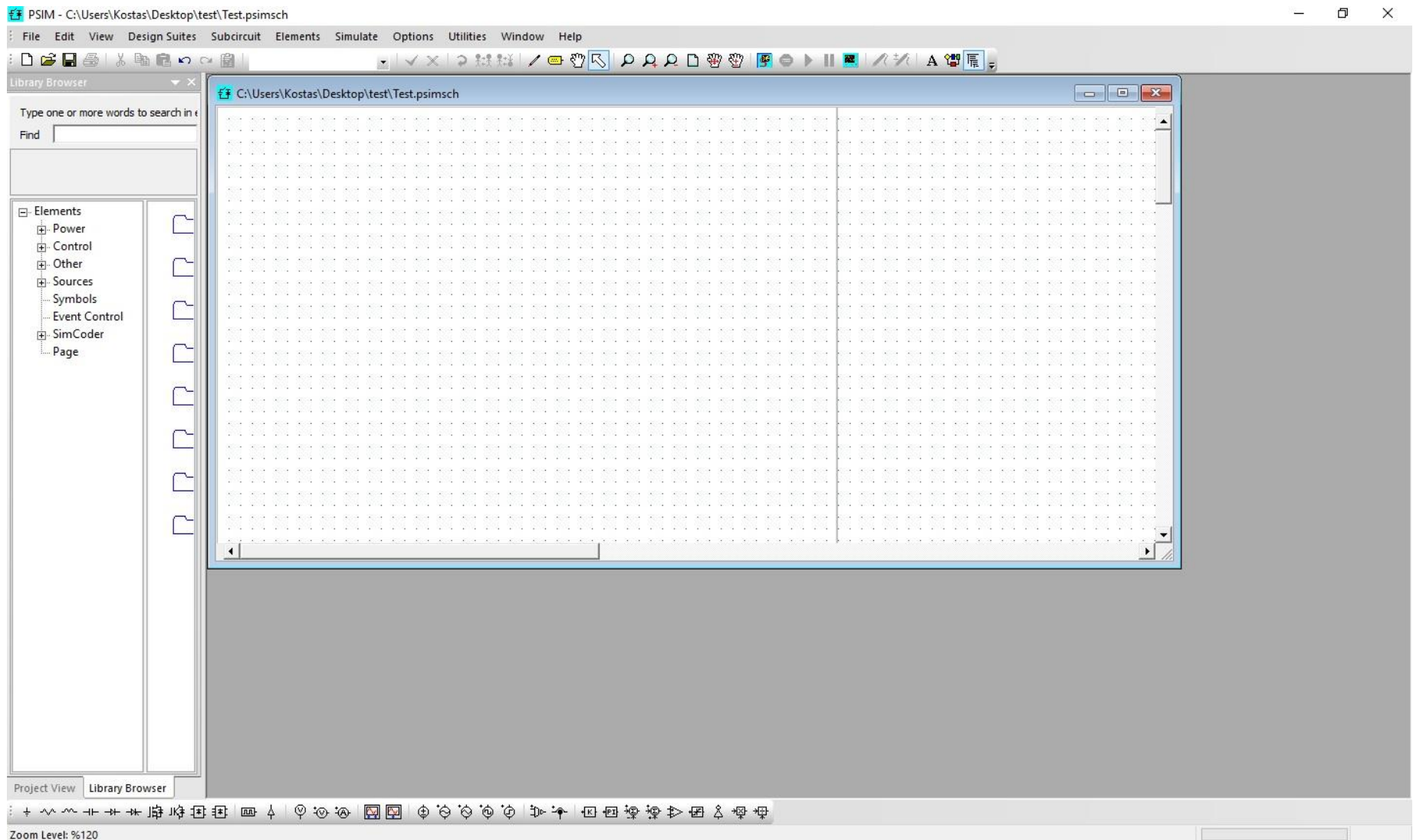
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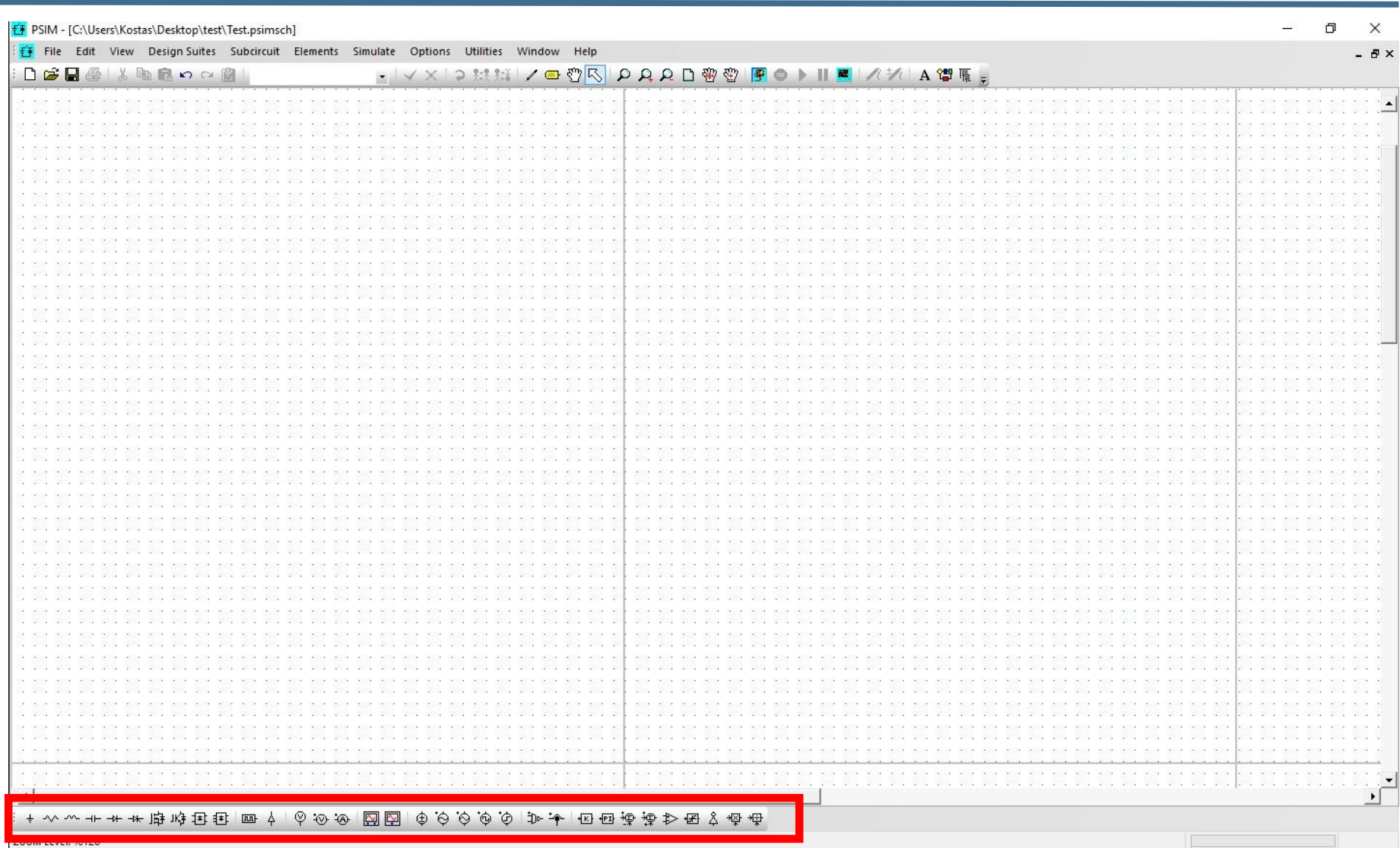
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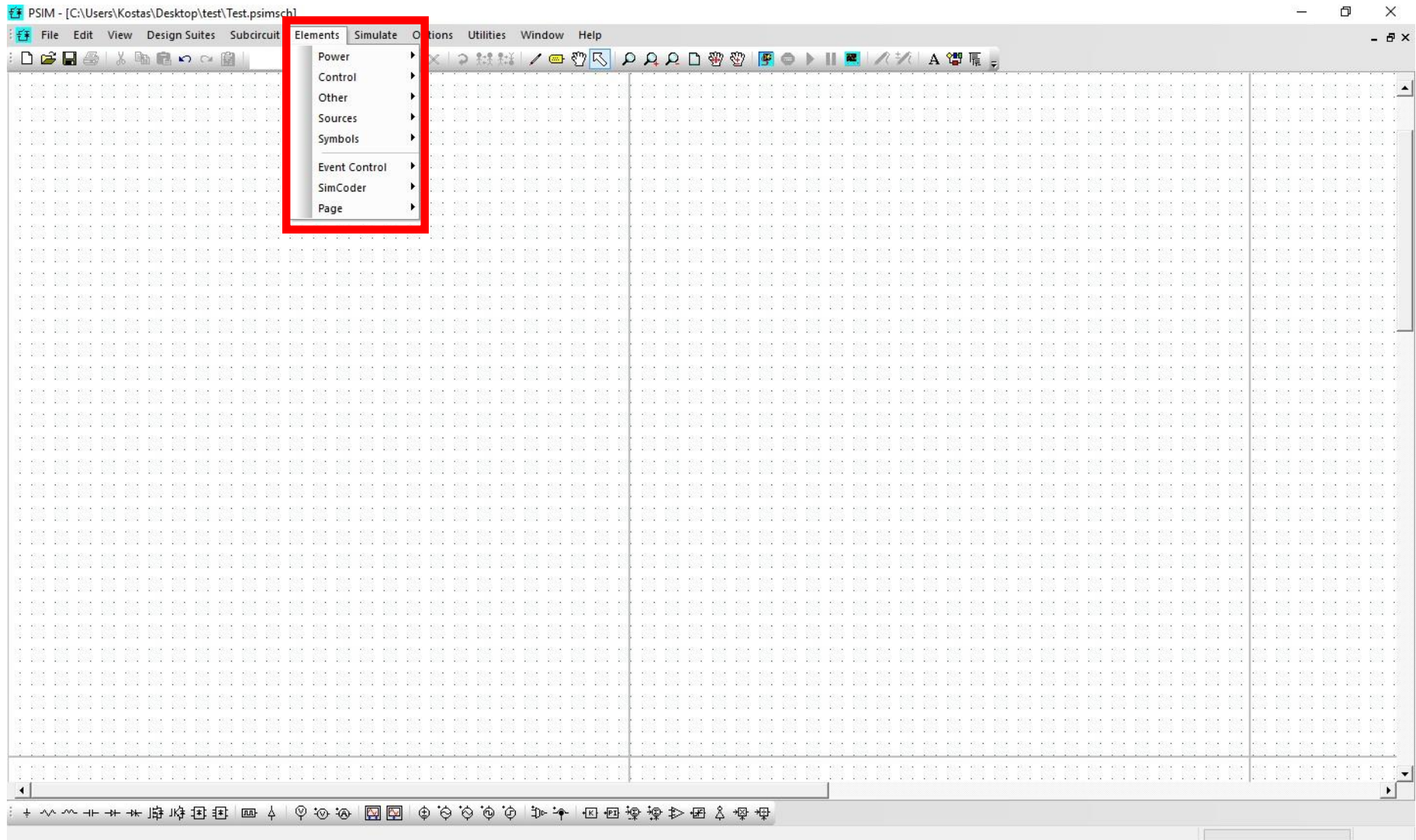
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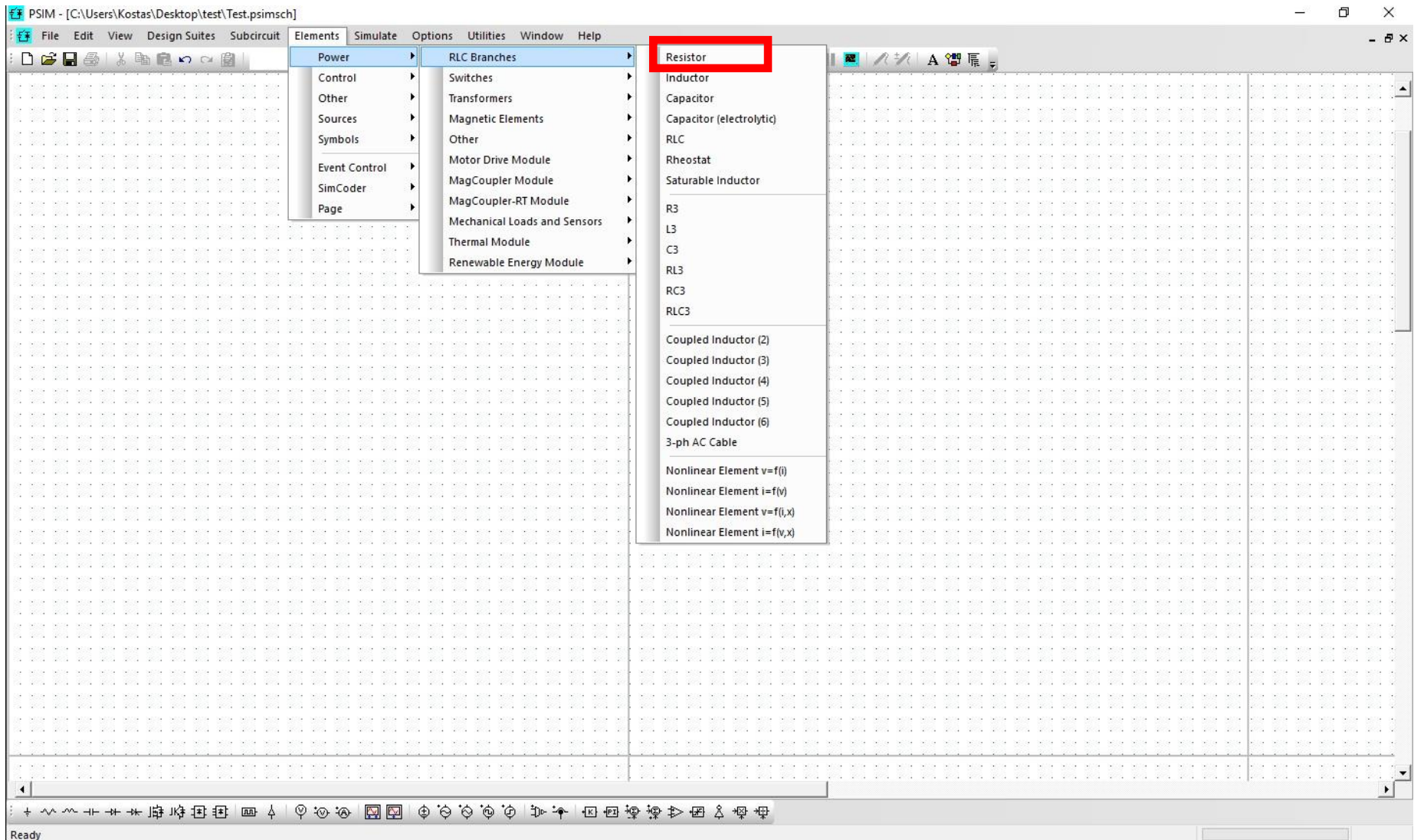
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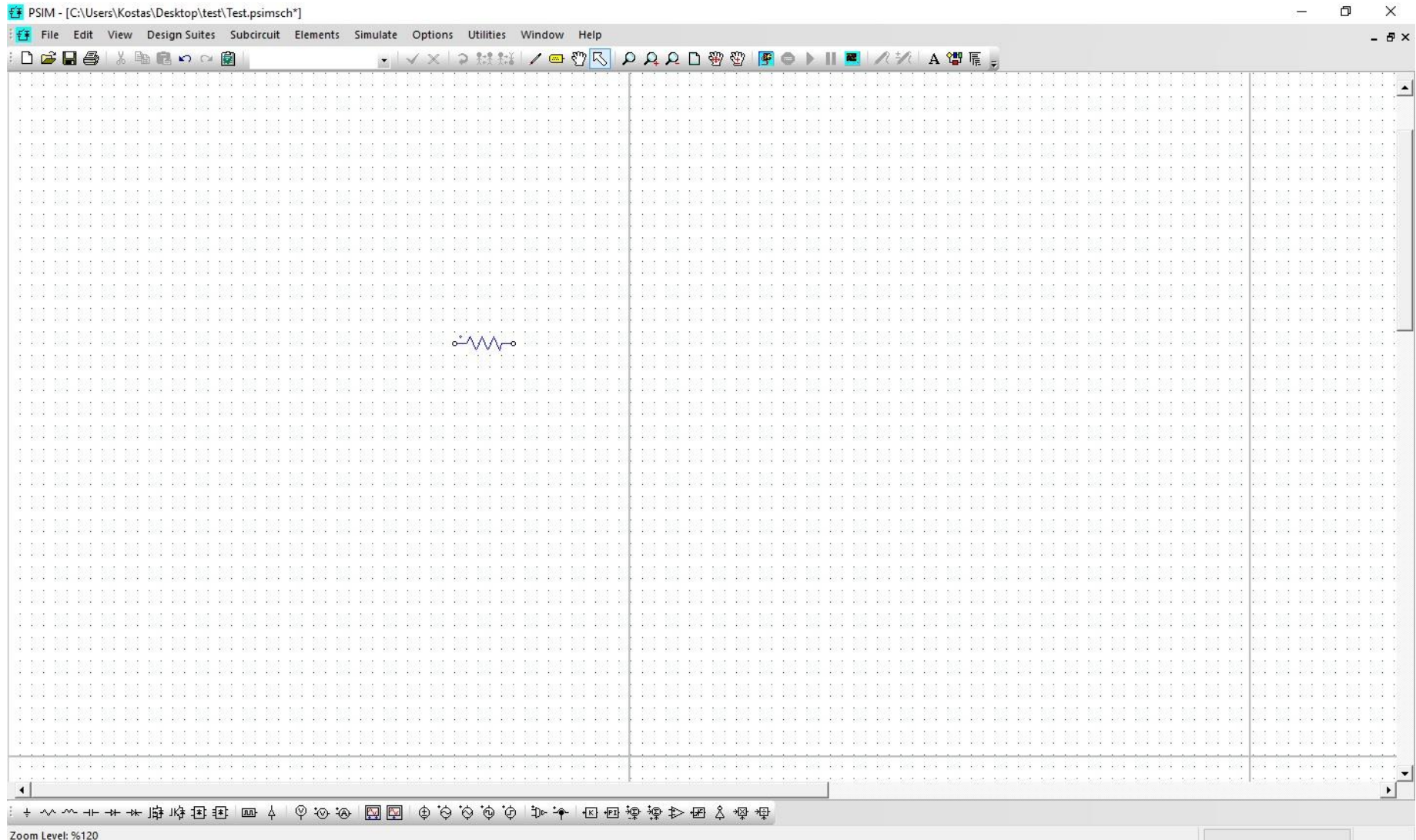
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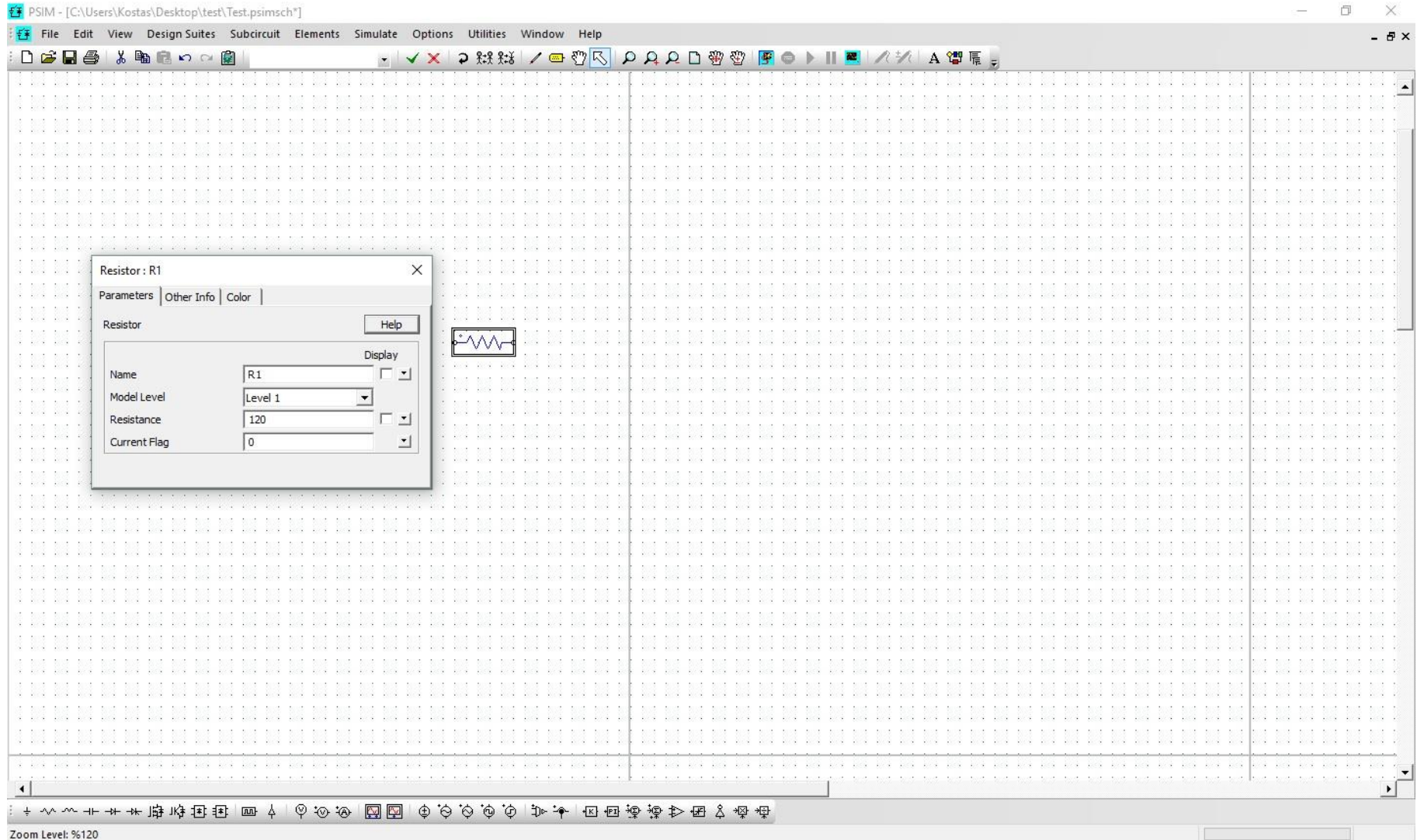
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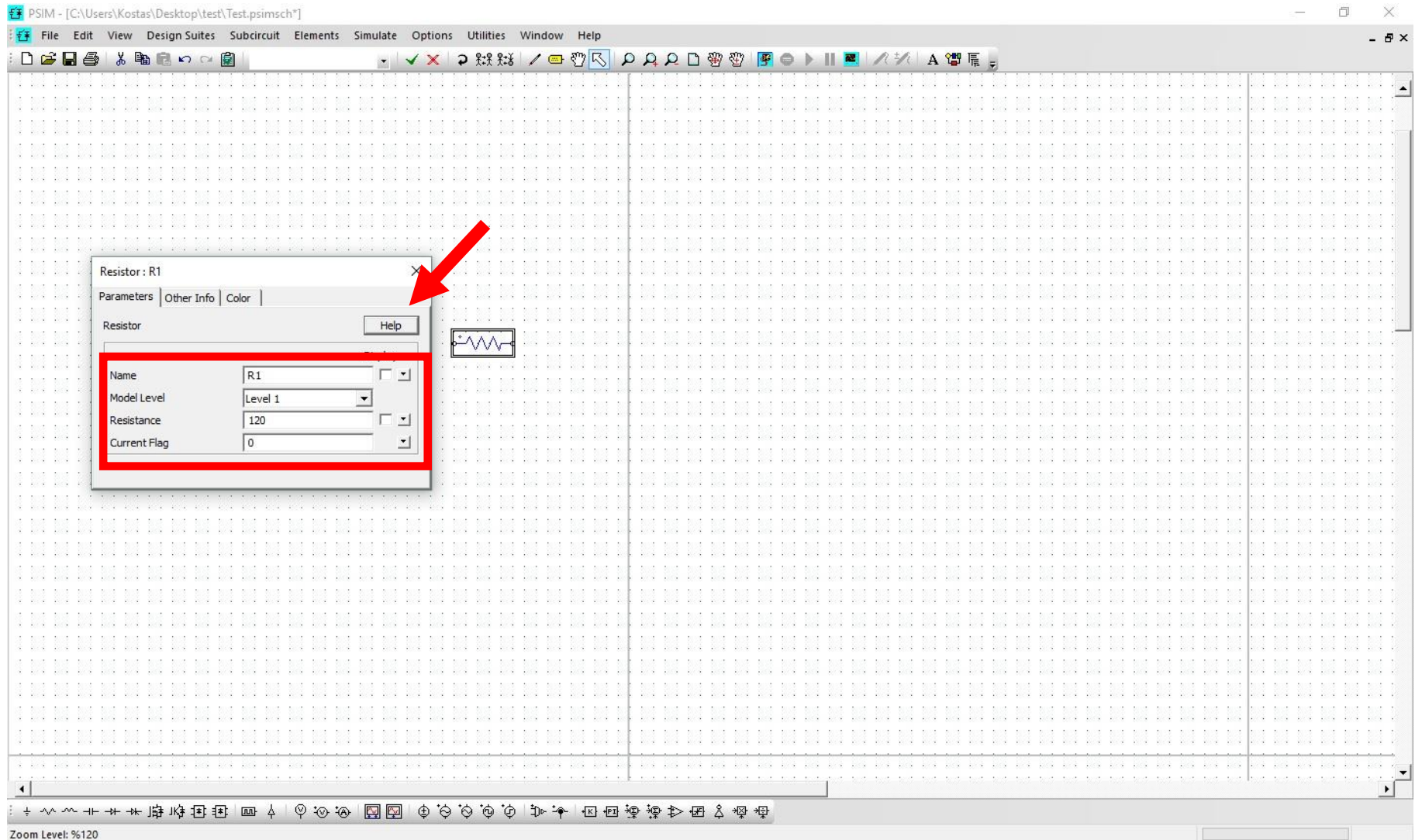
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Οδηγίες λειτουργίας



Οδηγίες λειτουργίας



Οδηγίες λειτουργίας

PSIM - Help

Ανόγκωση Πίσω Εμπρός Εκτύπωση

Περιεχόμενα Εγχειρίδιο Αναζήτηση

- RLC Branches
 - Resistor**
 - Inductor
 - Capacitor
 - Capacitor (electrolytic)
 - RLC
 - Rheostat
 - Saturable Inductor
 - R3
 - L3
 - C3
 - RL3
 - RC3
 - RLC3
 - Coupled Inductor (2)
 - Coupled Inductor (3)
 - Coupled Inductor (4)
 - Coupled Inductor (5)
 - Coupled Inductor (6)
 - 3-ph AC Cable
 - Nonlinear Element $v=f(i)$
 - Nonlinear Element $i=f(v)$
 - Nonlinear Element $v=f(i)$
 - Nonlinear Element $i=f(v)$
- Switches
- Transformers
- Magnetic Elements
- Other
- Motor Drive Module
- MagCoupler Module
- MagCoupler-RT Module
- Mechanical Loads and Sen
- Thermal Module
- Renewable Energy Module
- Control
- Other
- Sources
- Event Control
- SimCoder
- Motor Drive Module
- Digital Control Module
- SimCoupler Module
- Thermal Module
- Renewable Energy Module
- HEV Design Suite
- Motor Control Design Suite

Description:

Resistor Resistor. There are 2 model levels: Level 1 and Level 2

Parameters for Model Level 1:

Resistance Resistance, in Ohm

Current Flag Flag for branch current output. If the flag is zero, there is no current output. If the flag is 1, the current will be saved to the output file for display. The current is positive when it flows into the dotted terminal of the branch.

Parameters for Model Level 2:

Resistance Resistance, in Ohm

Voltage Rating Voltage rating of component, in V.

Power Rating Power rating of the component, in W.

Inductance ESL Equivalent series inductance, in H.

Parallel Capacitance Equivalent parallel parasitic capacitance, in F

Current Flag Flag for branch current output. If the flag is zero, there is no current output. If the flag is 1, the current will be saved to the output file for display. The current is positive when it flows into the dotted terminal of the branch.

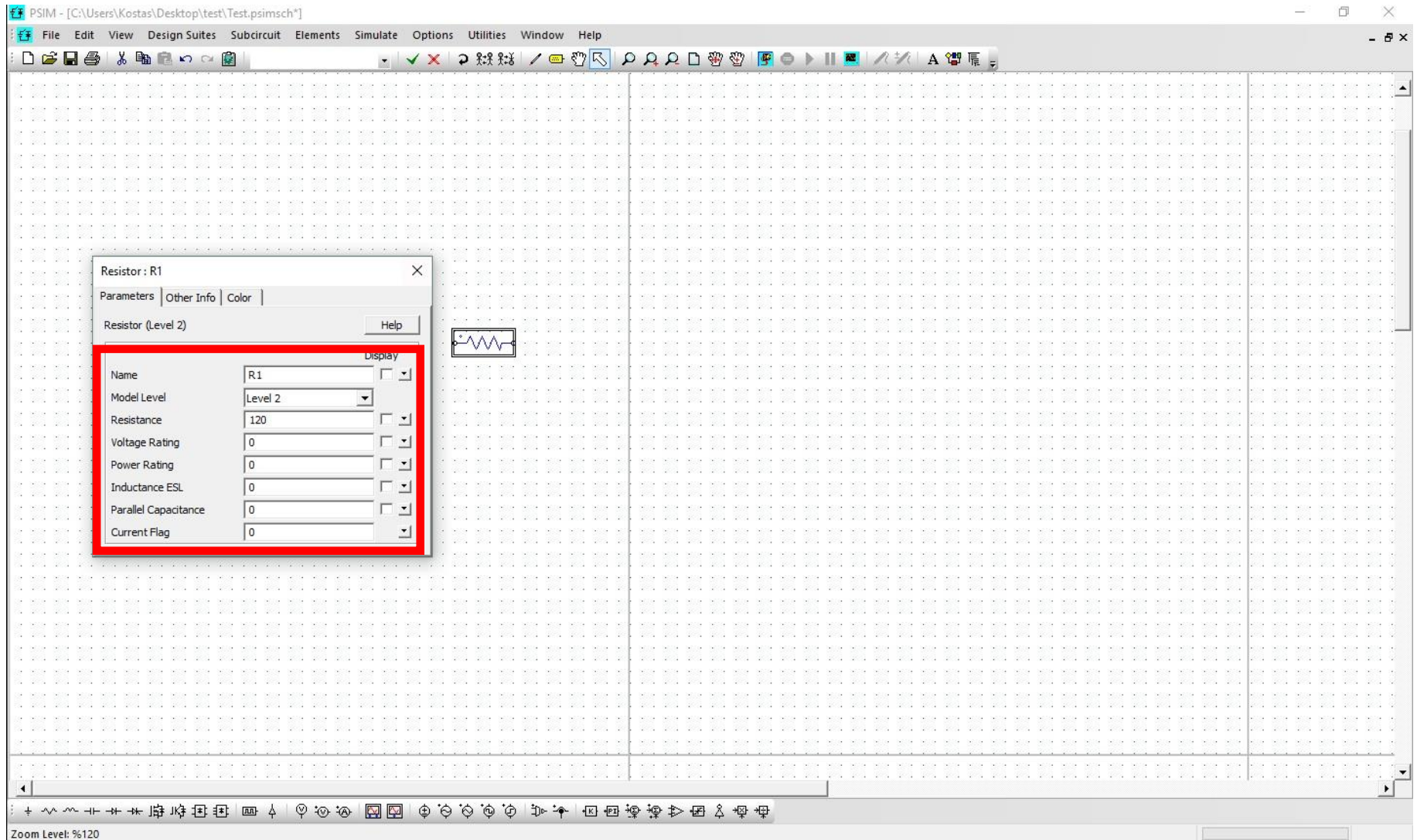
The equivalent circuit of the Level 2 Model includes the parallel capacitance and the series inductance, as shown below:

Parallel Capacitance

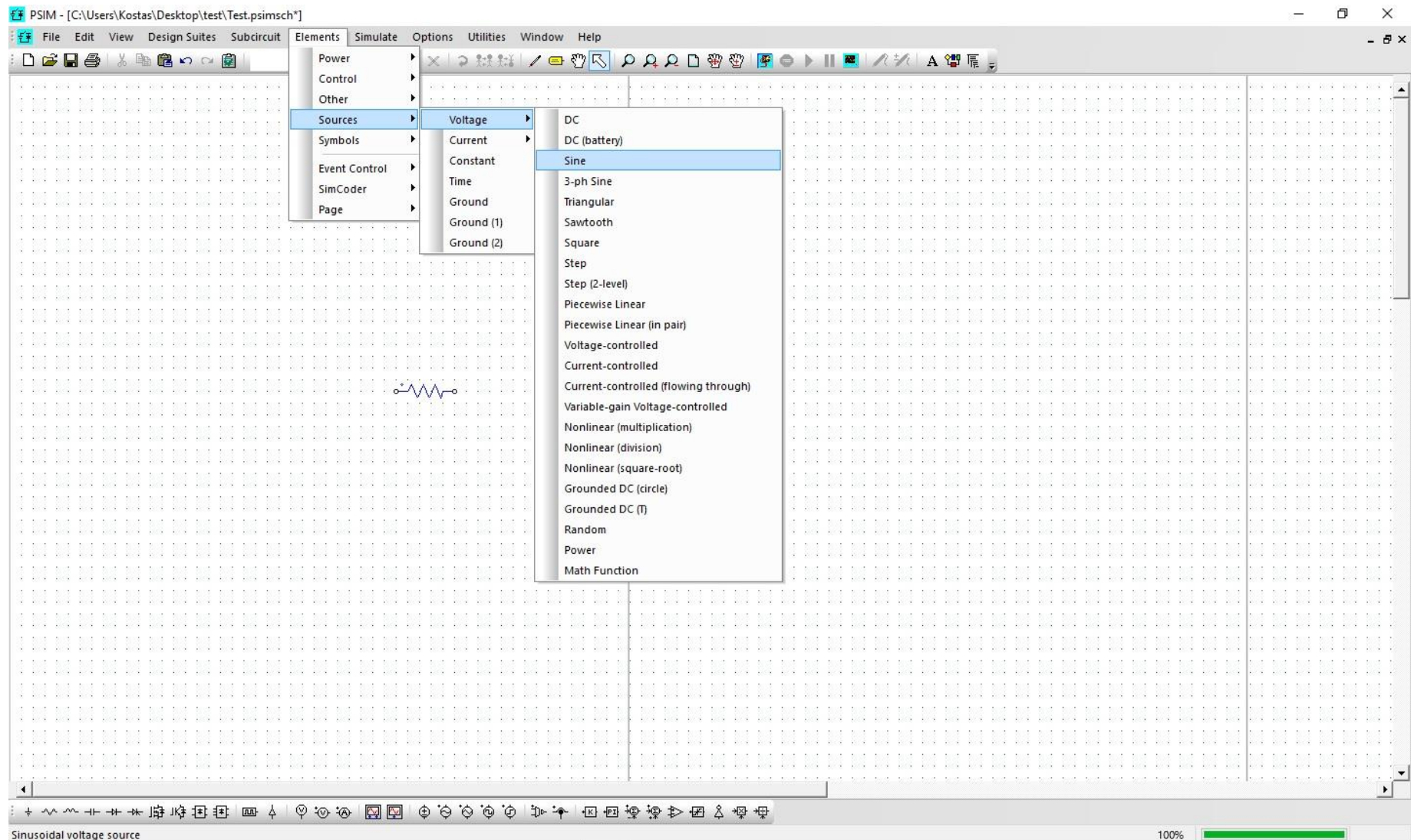
ESL

R

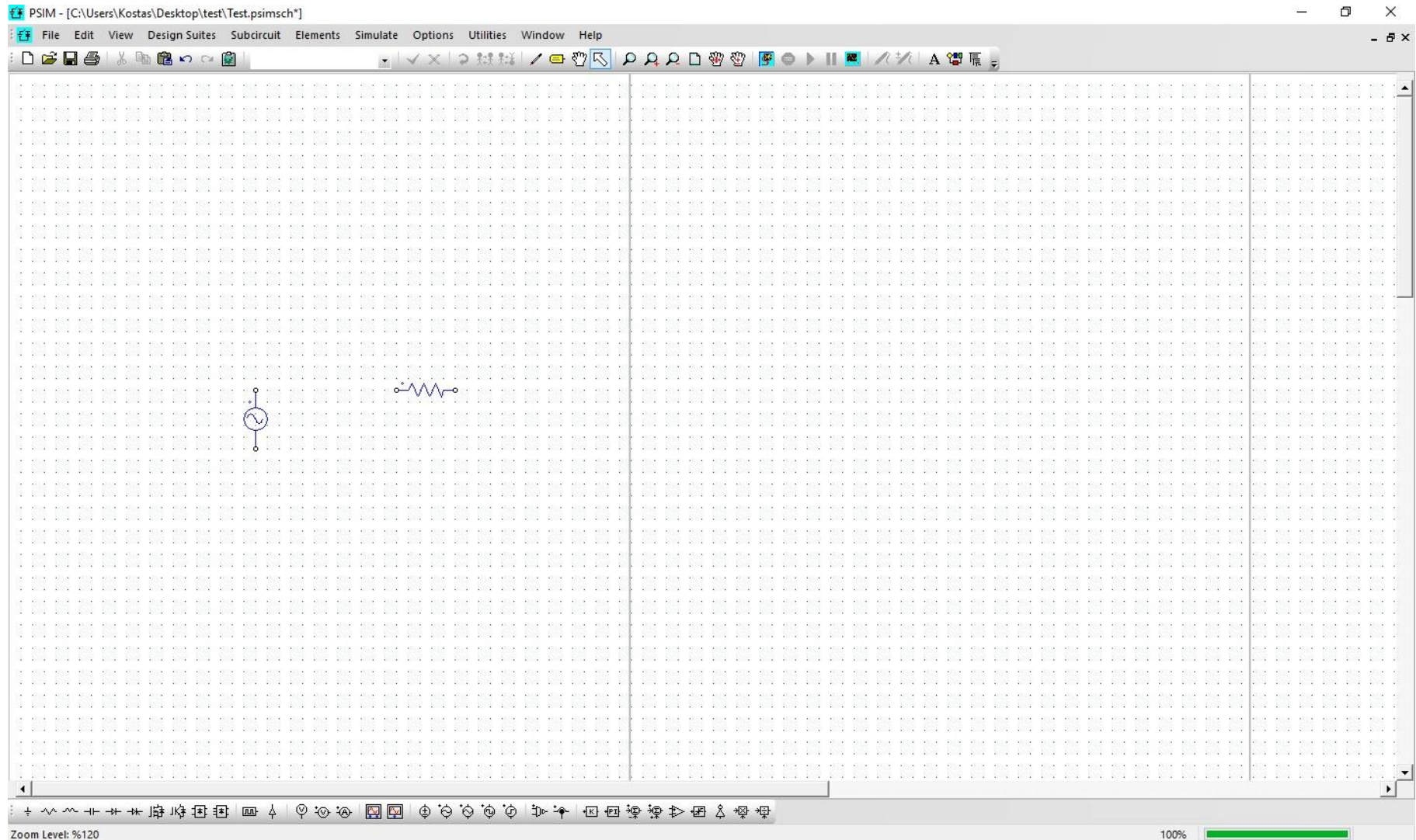
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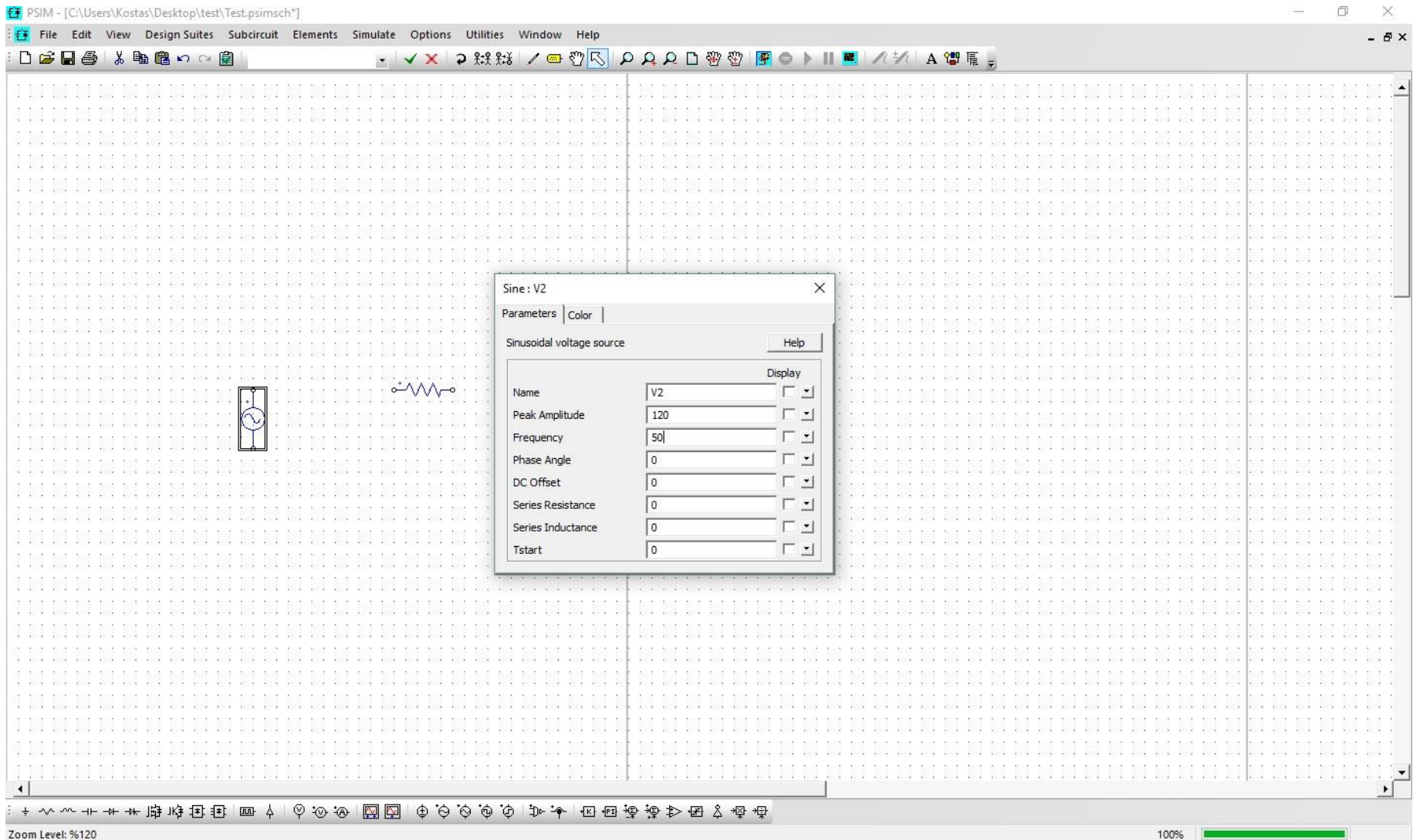
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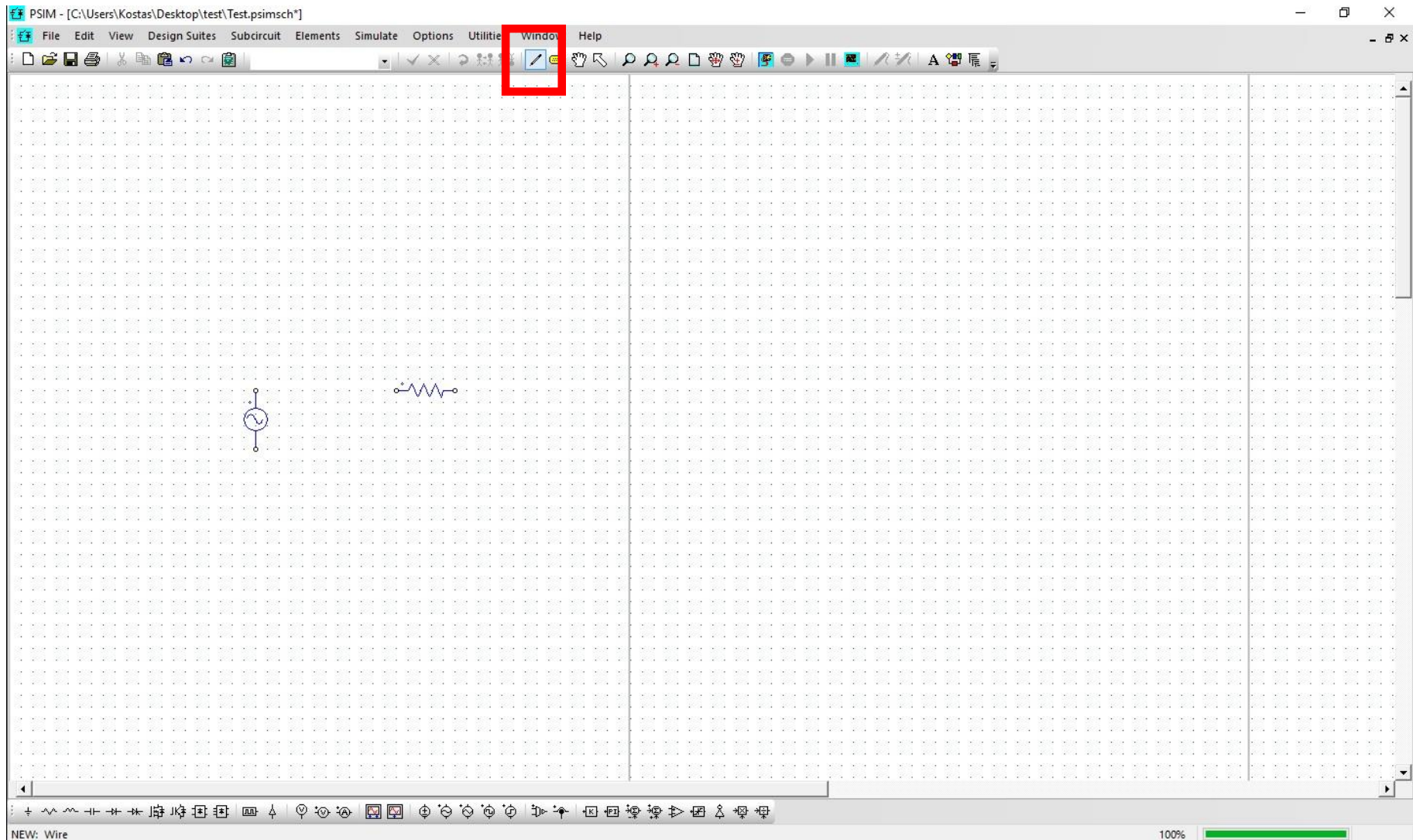
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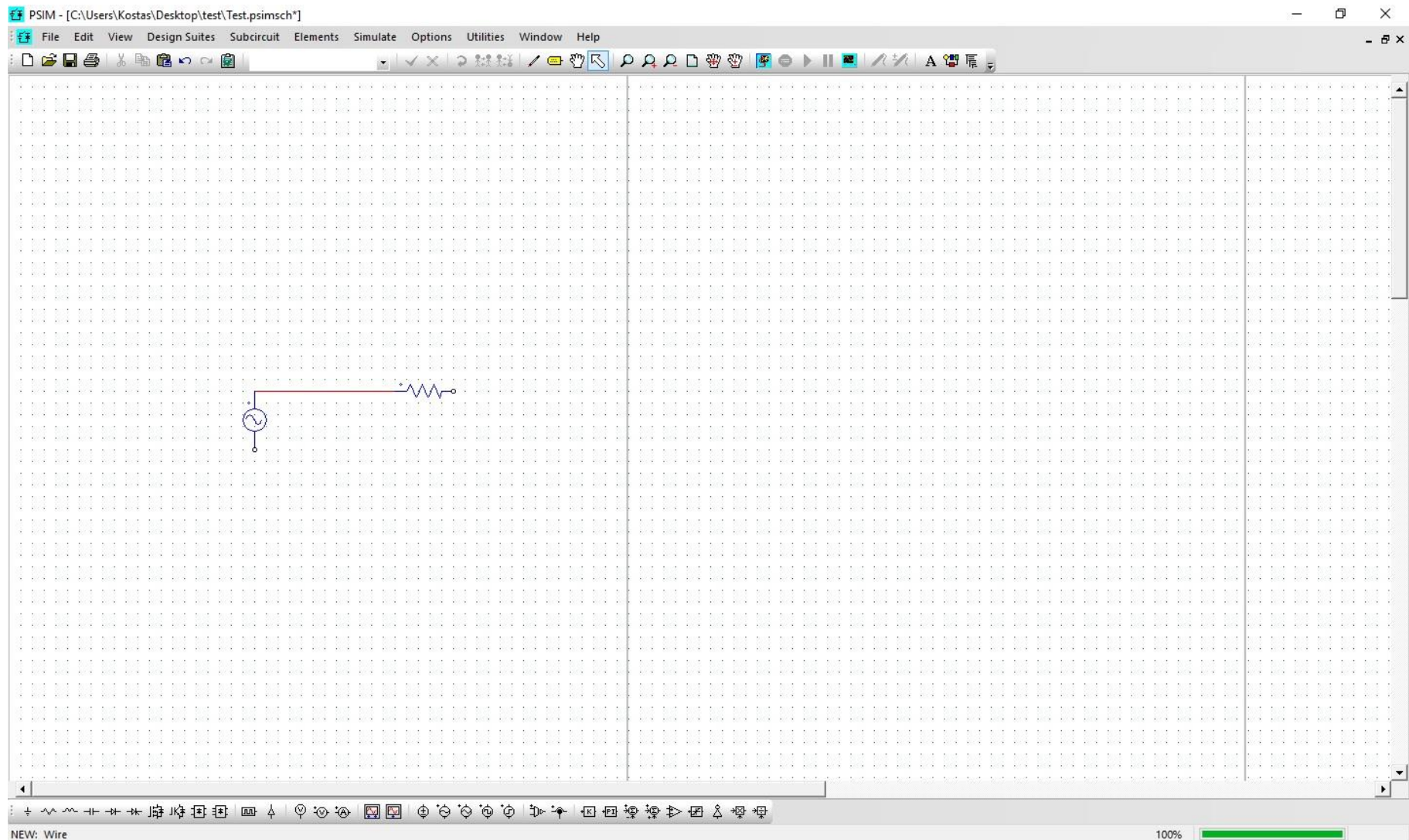
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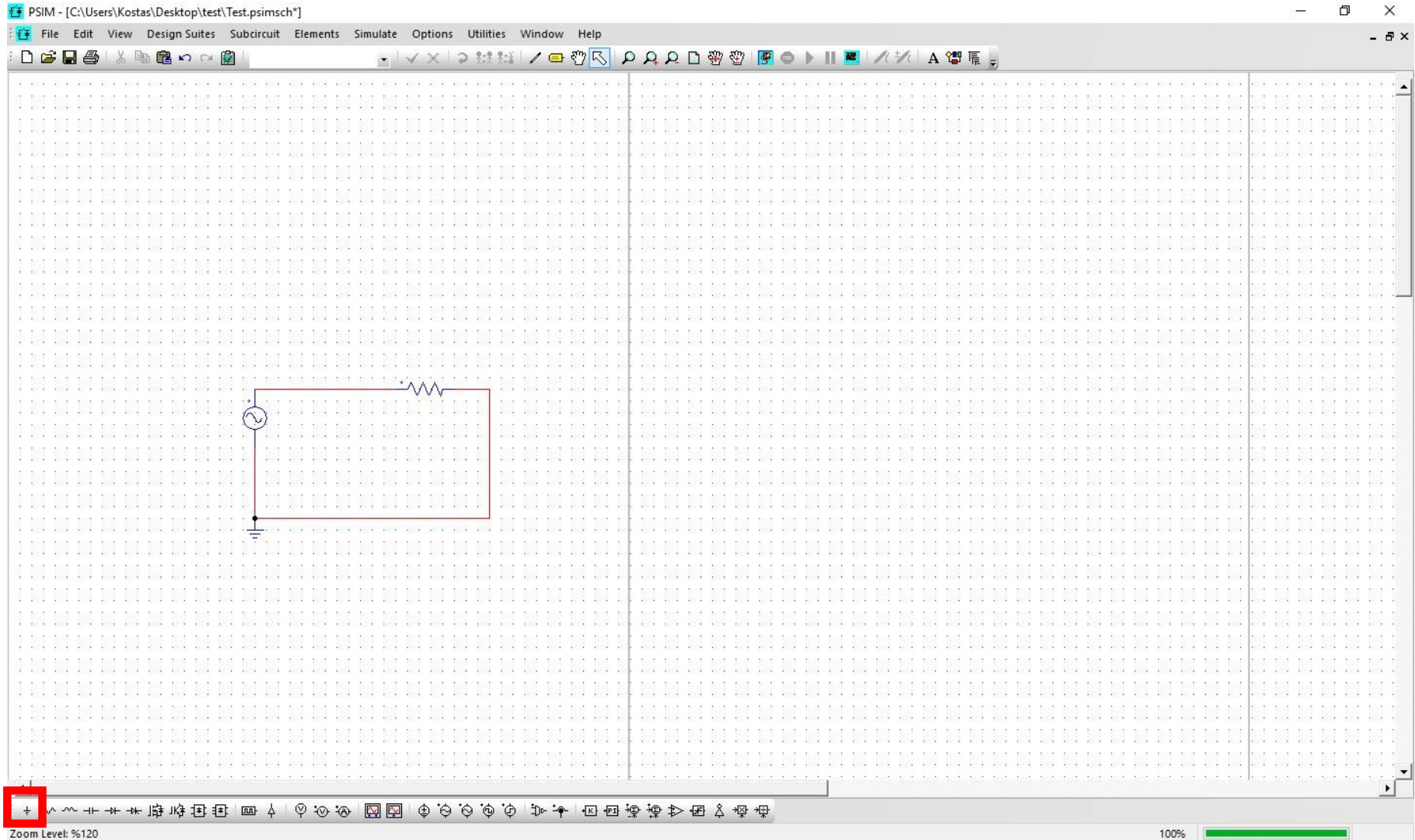
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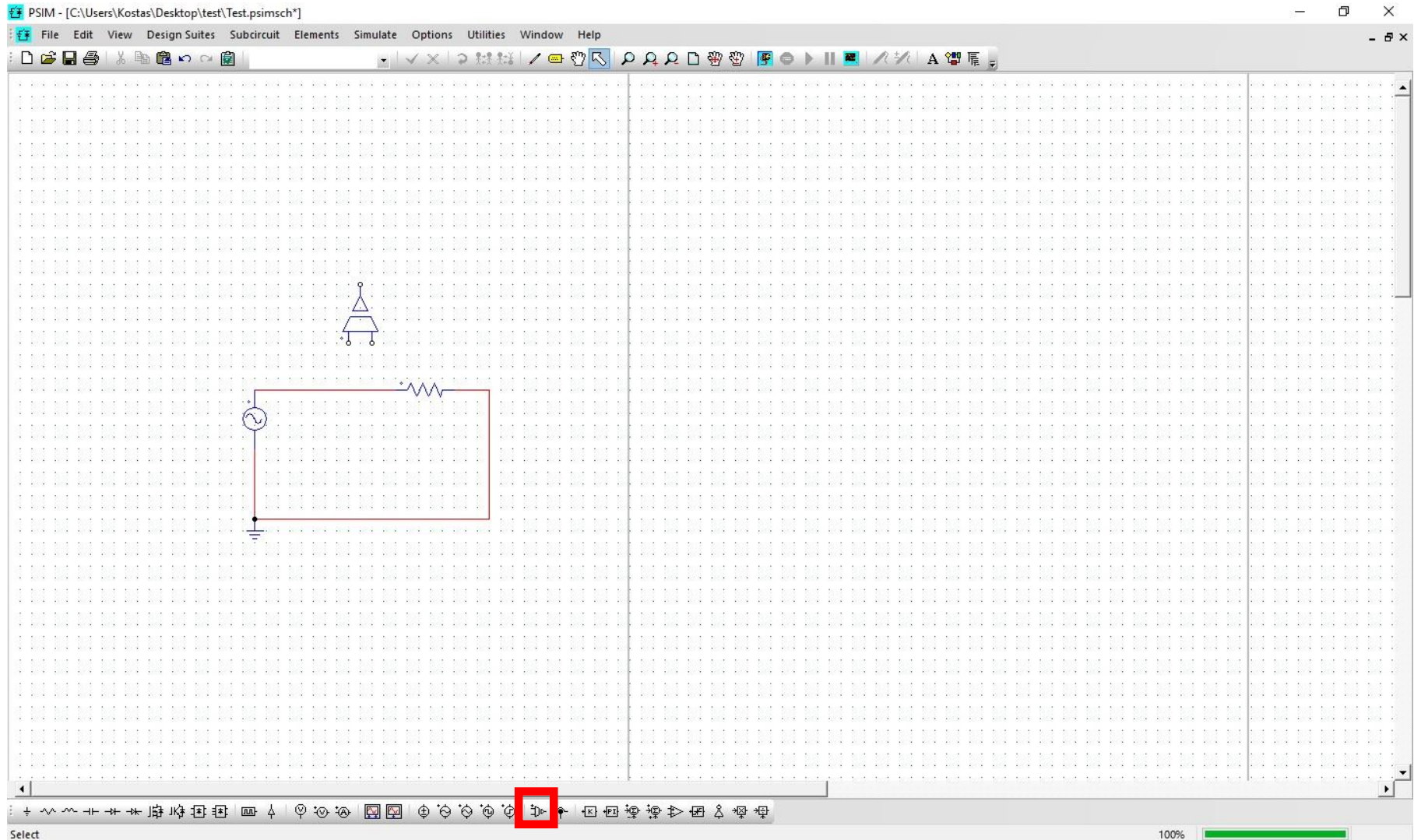
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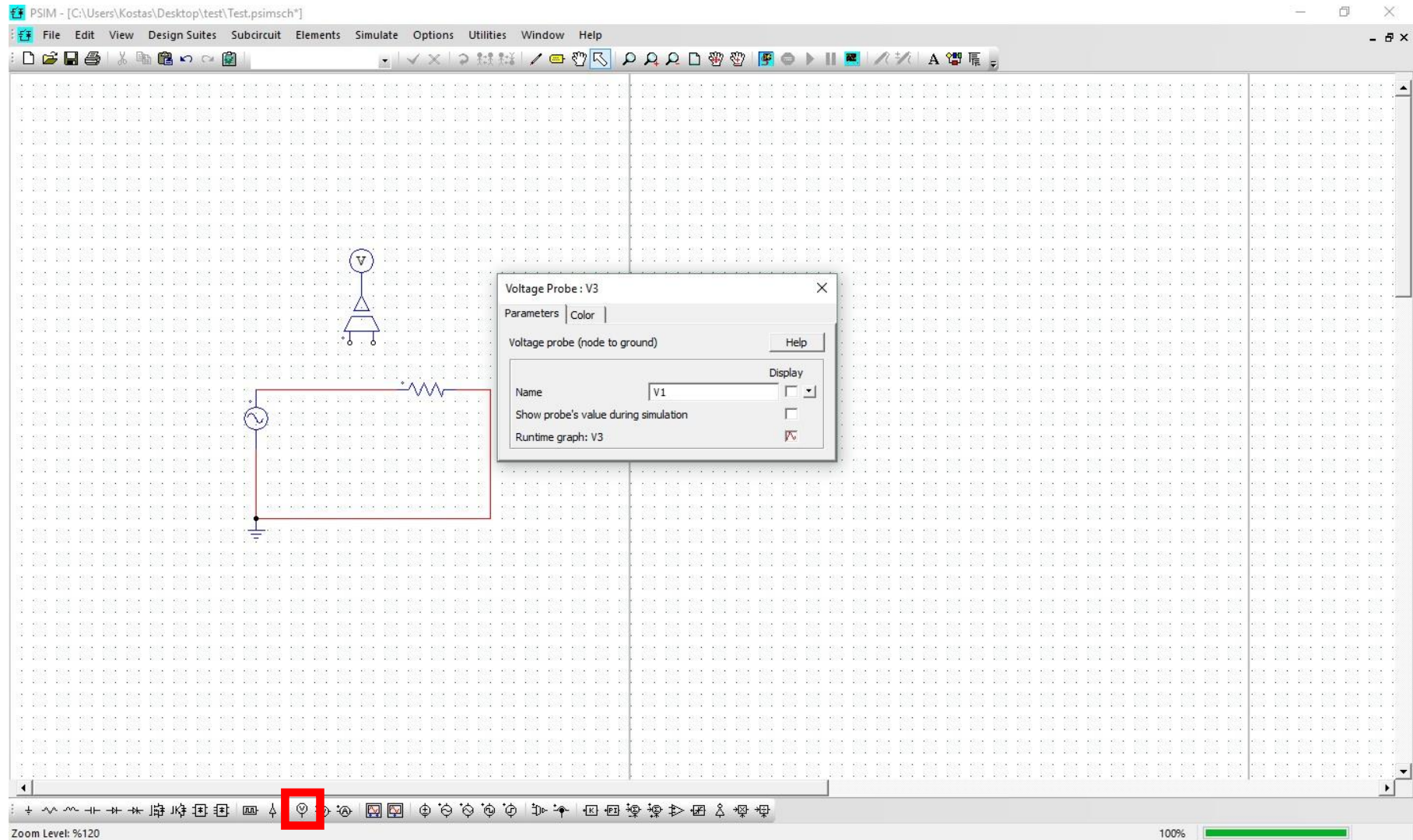
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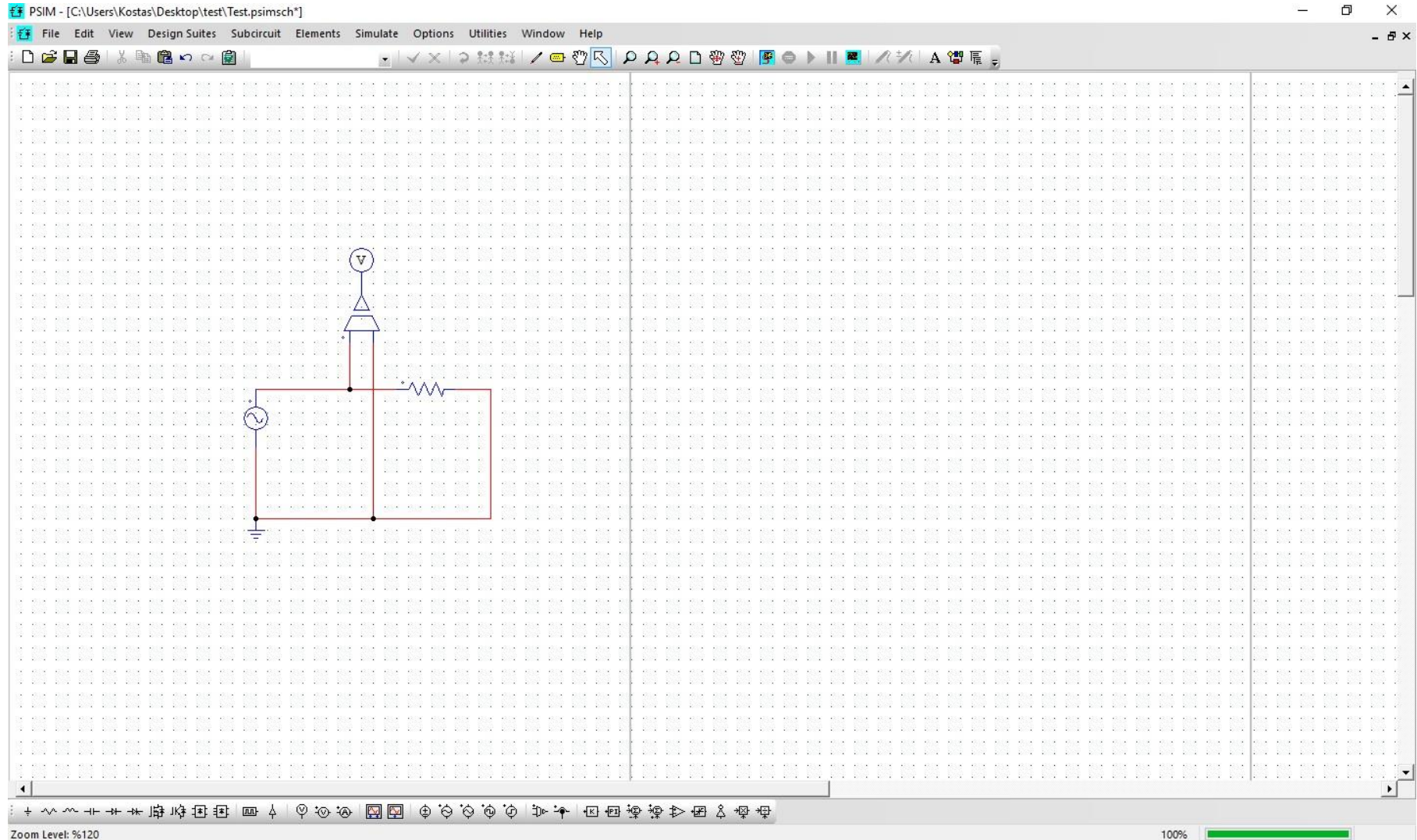
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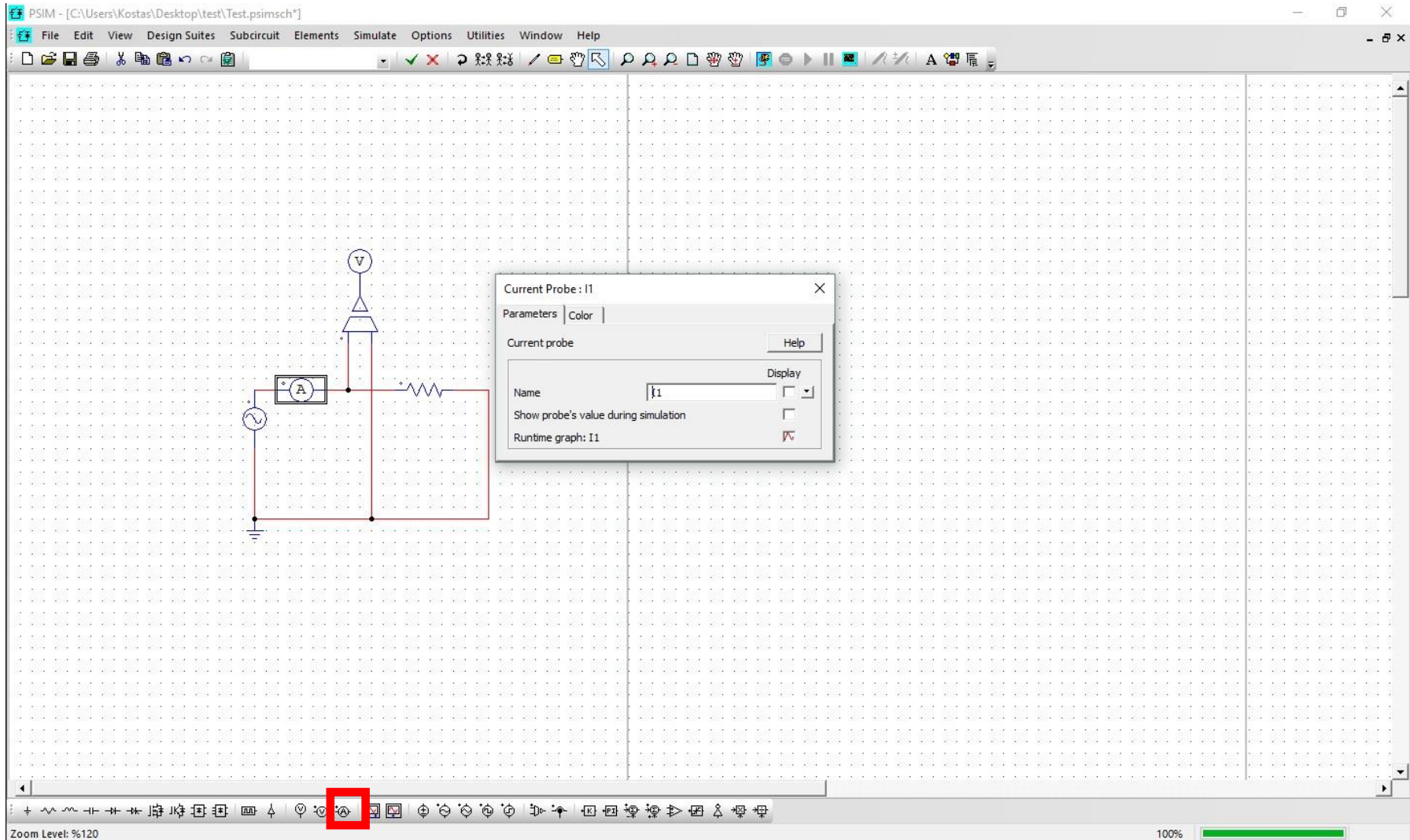
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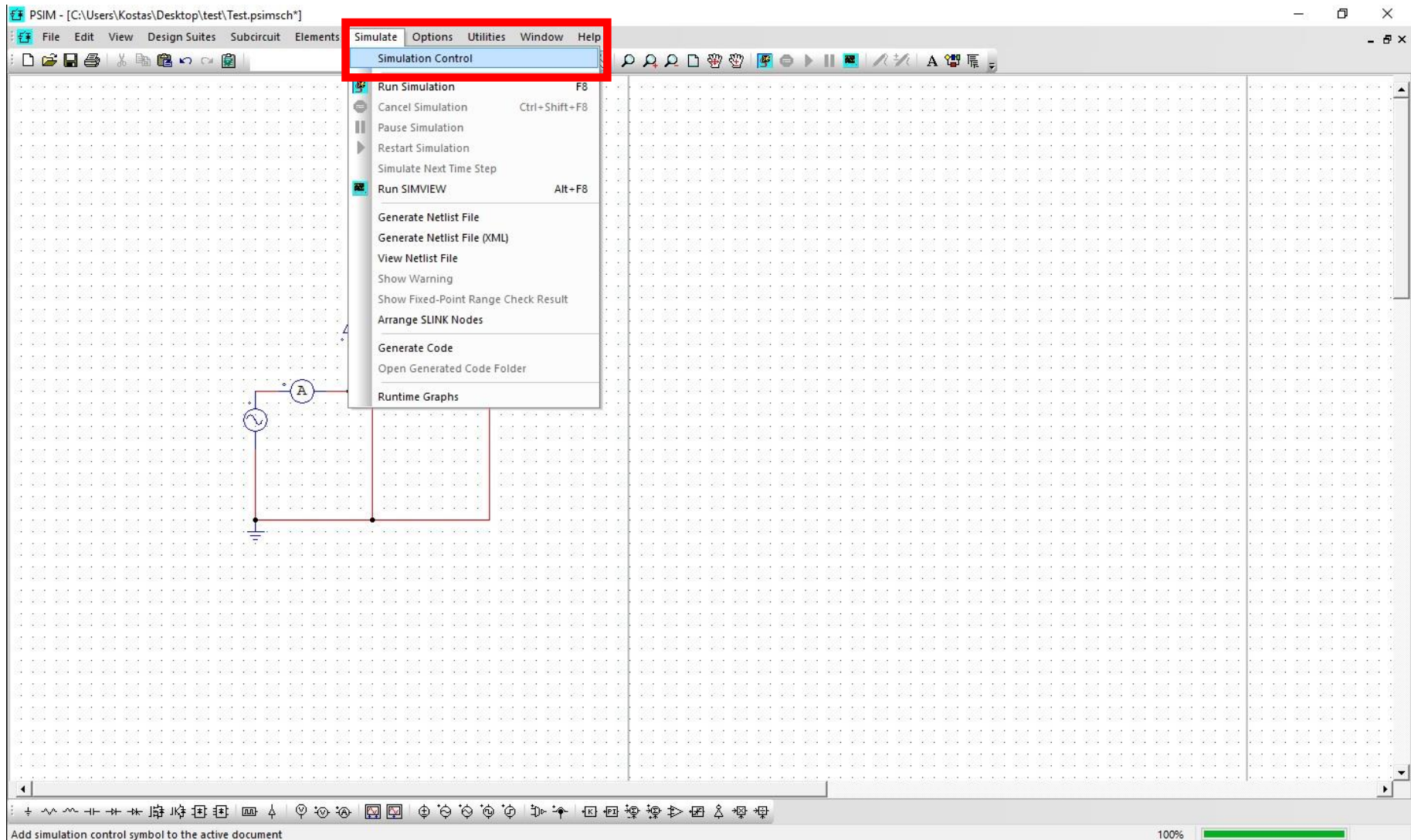
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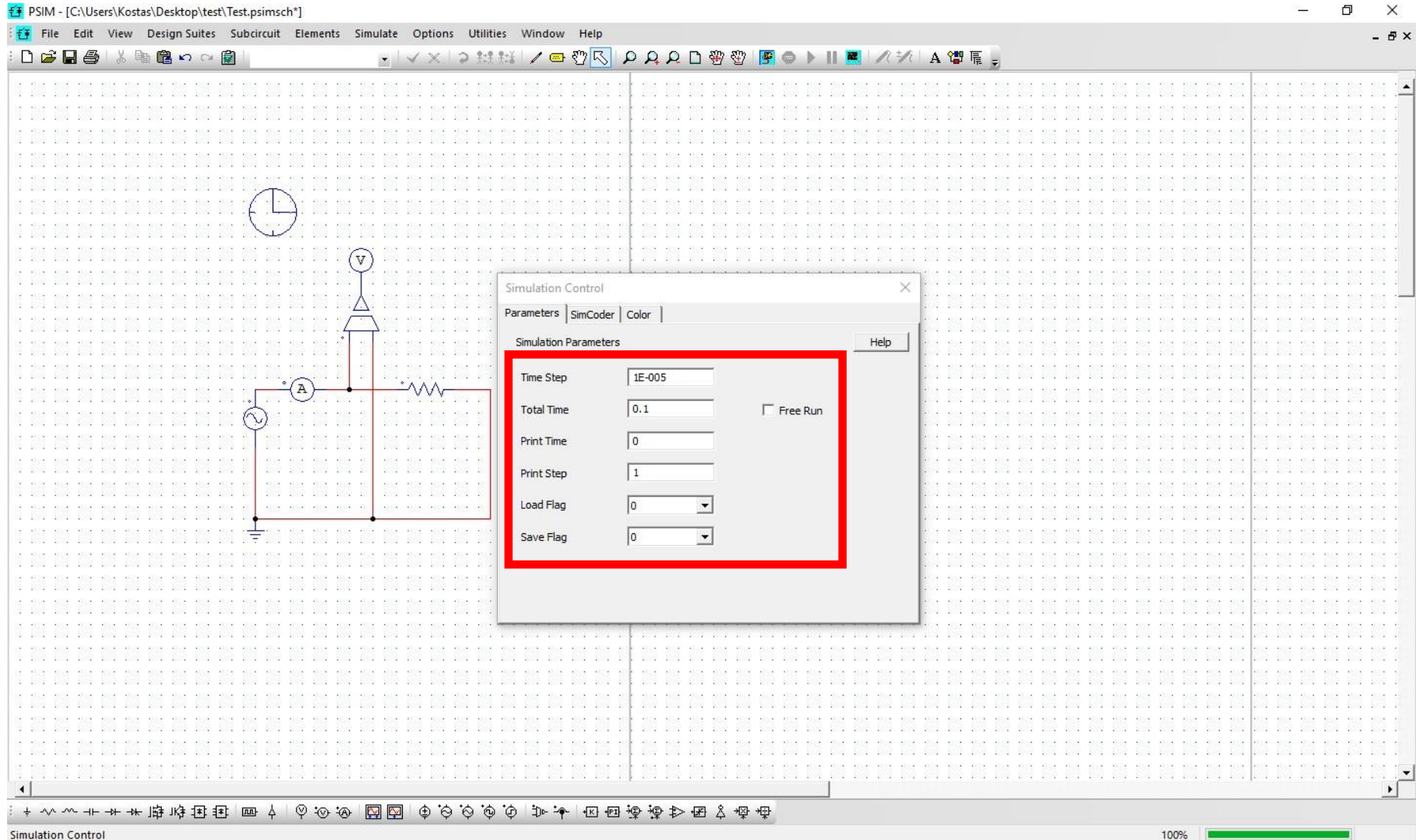
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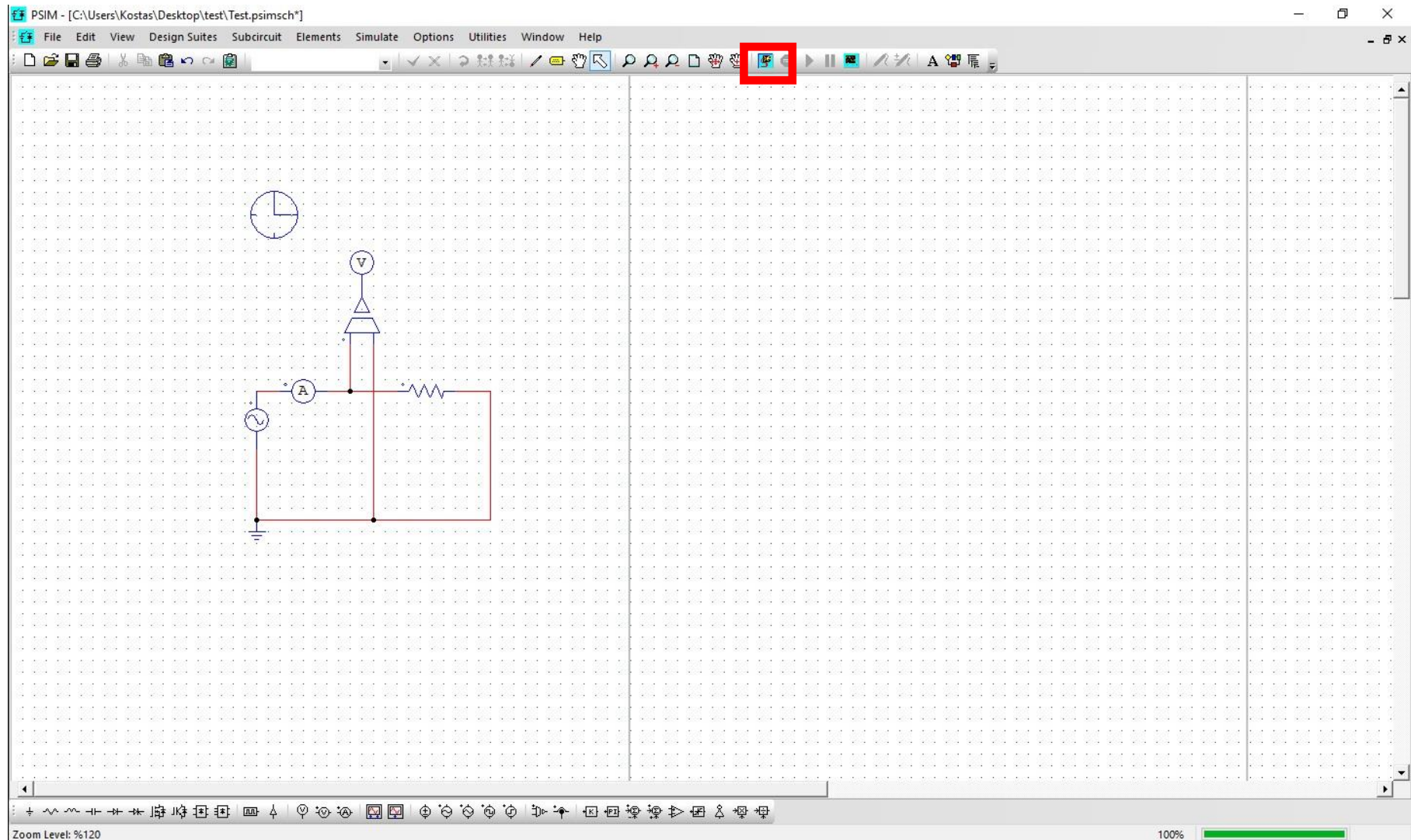
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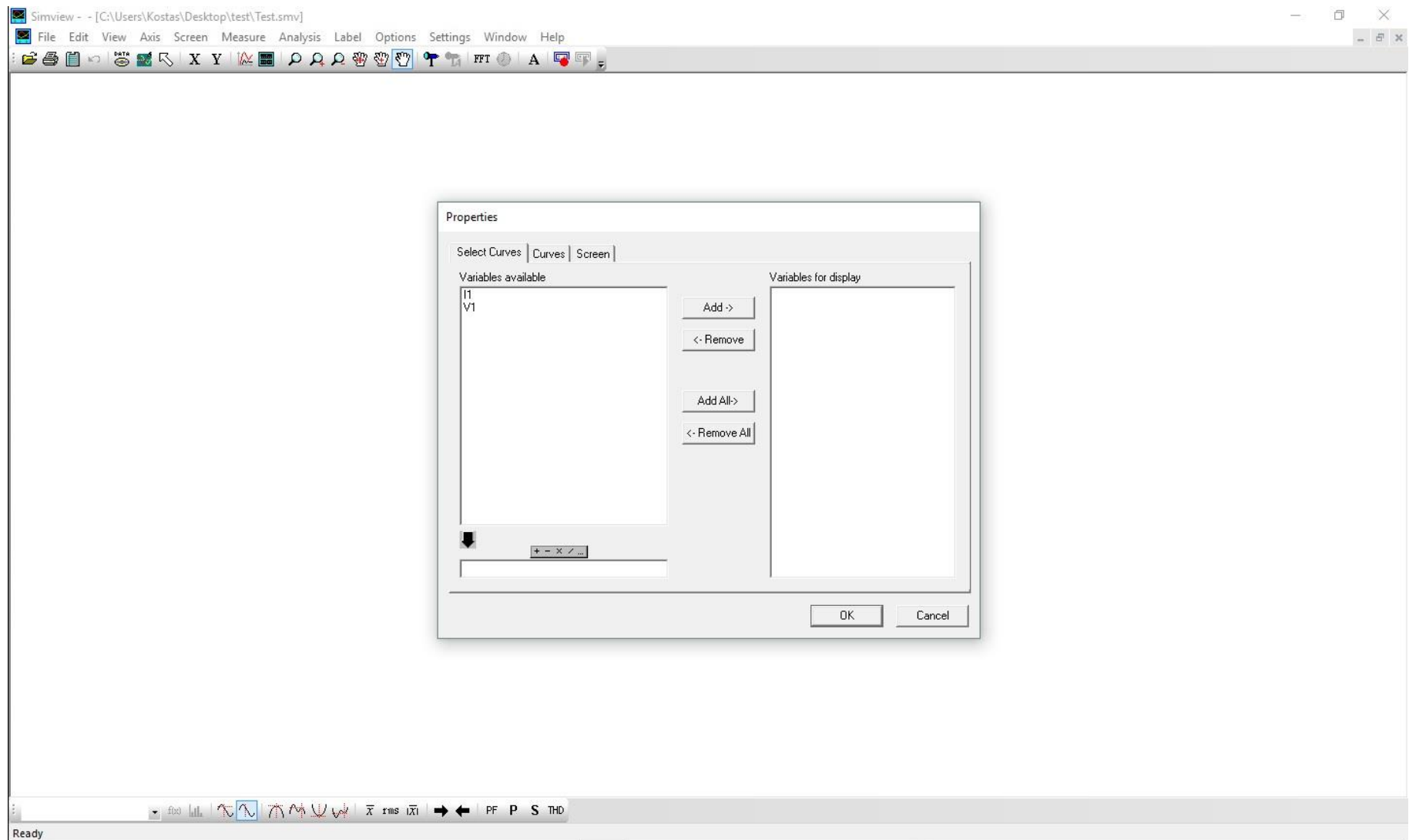
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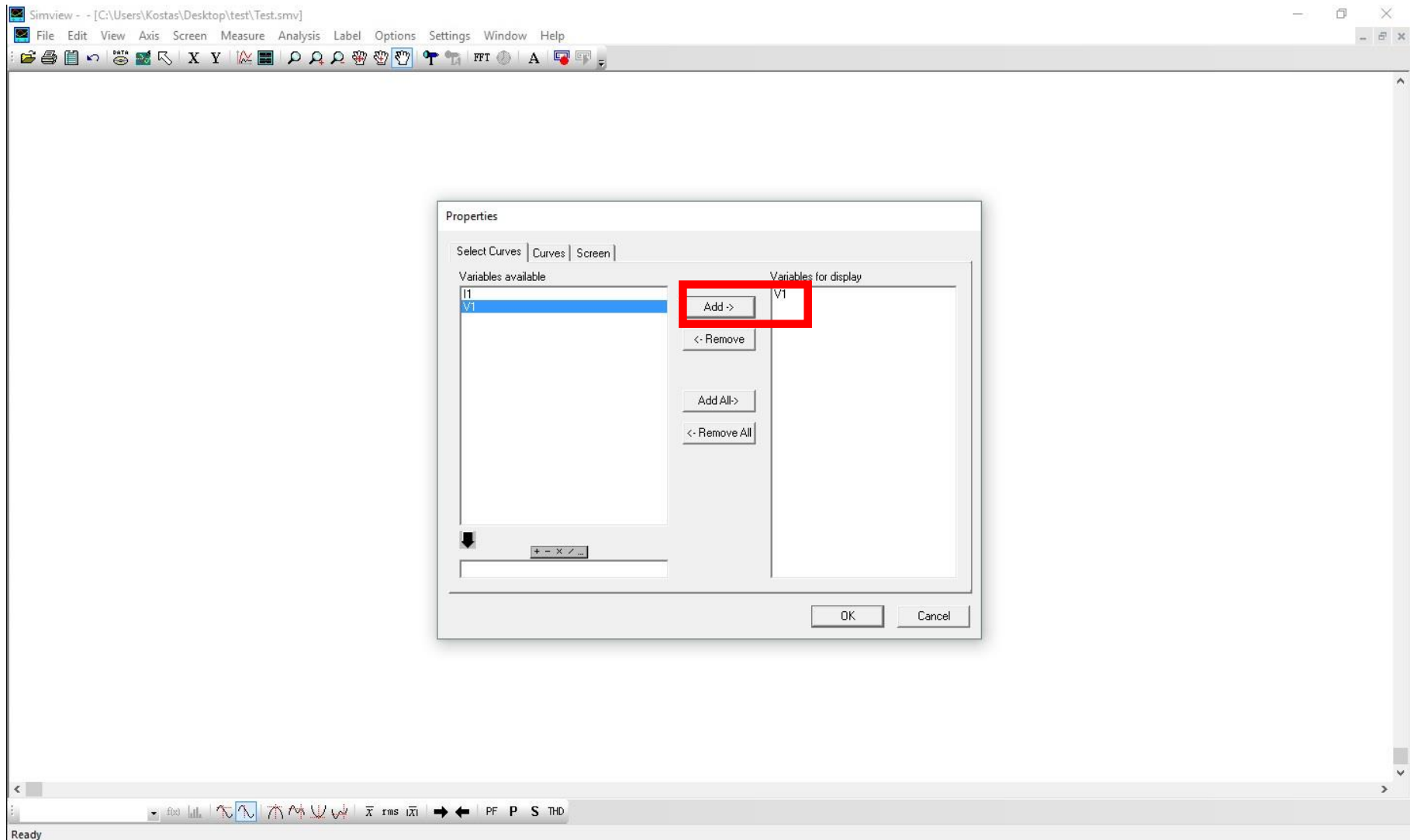
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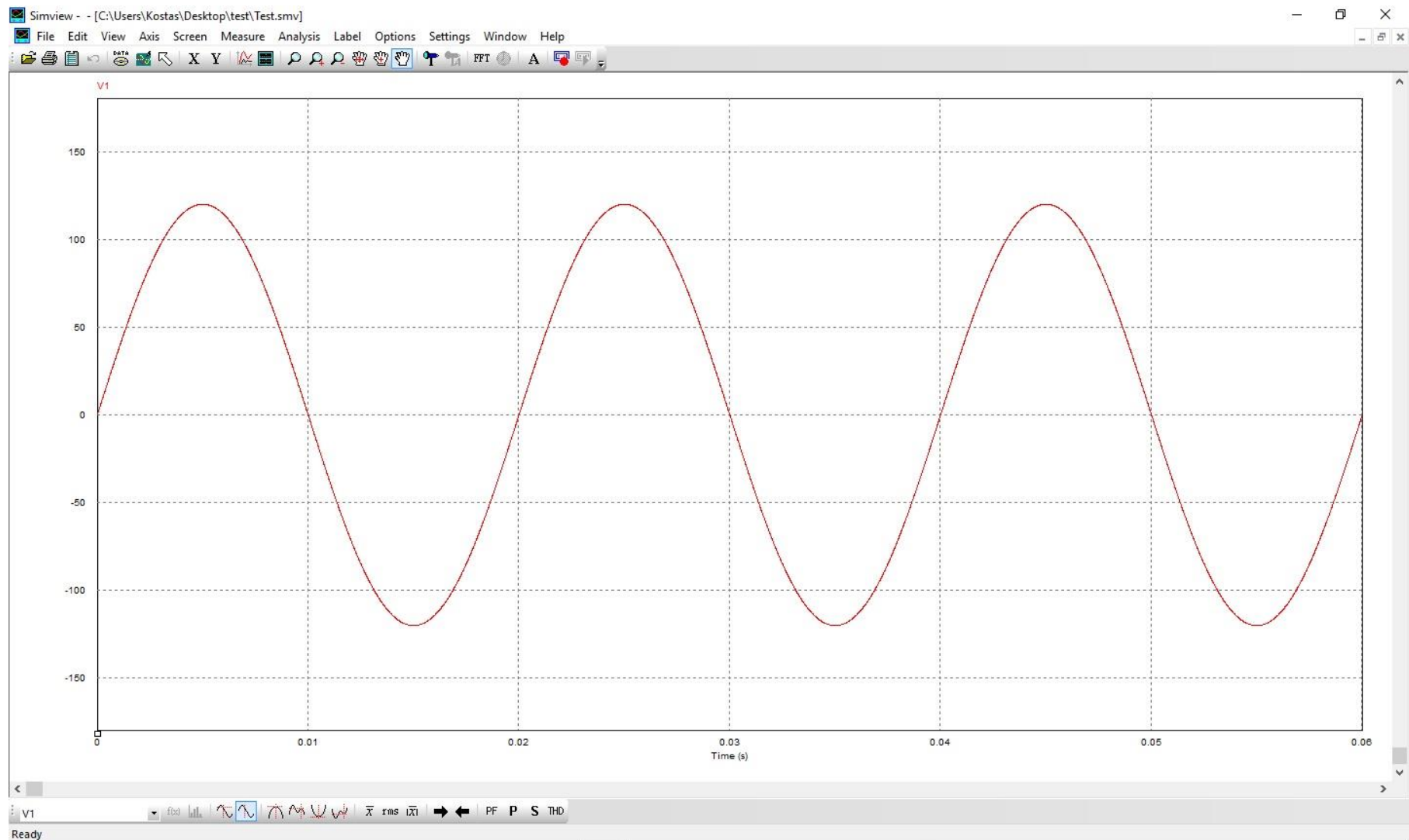
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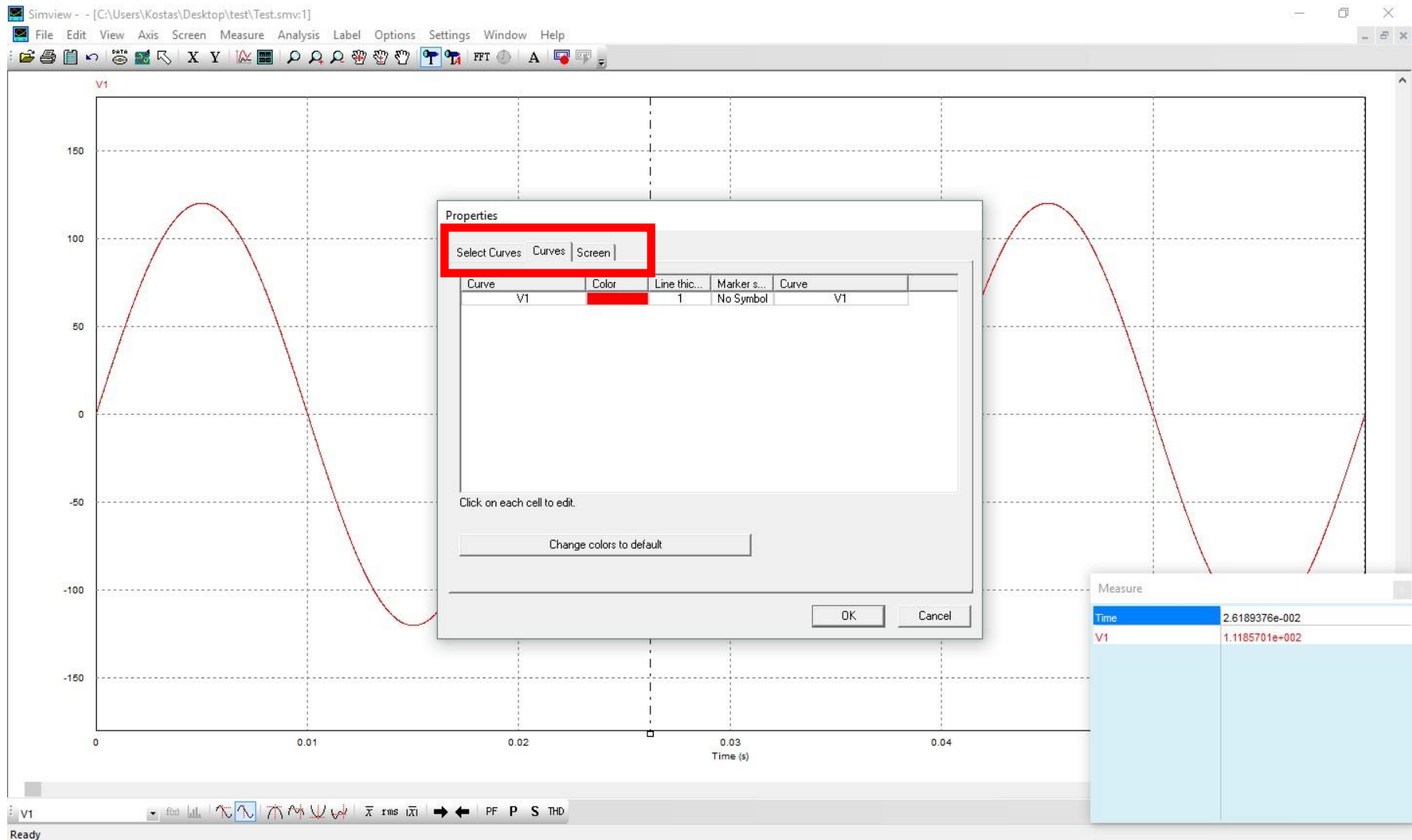
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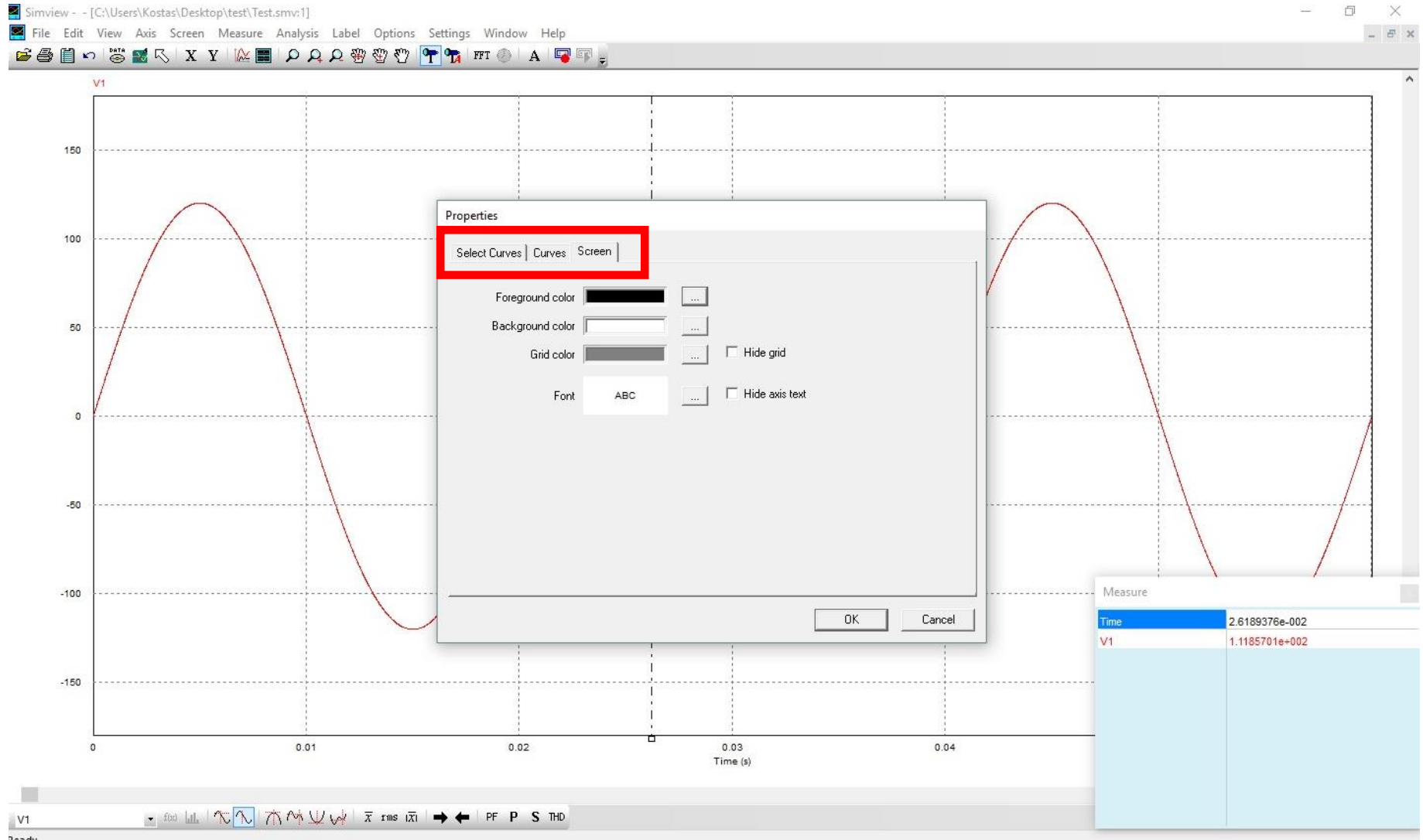
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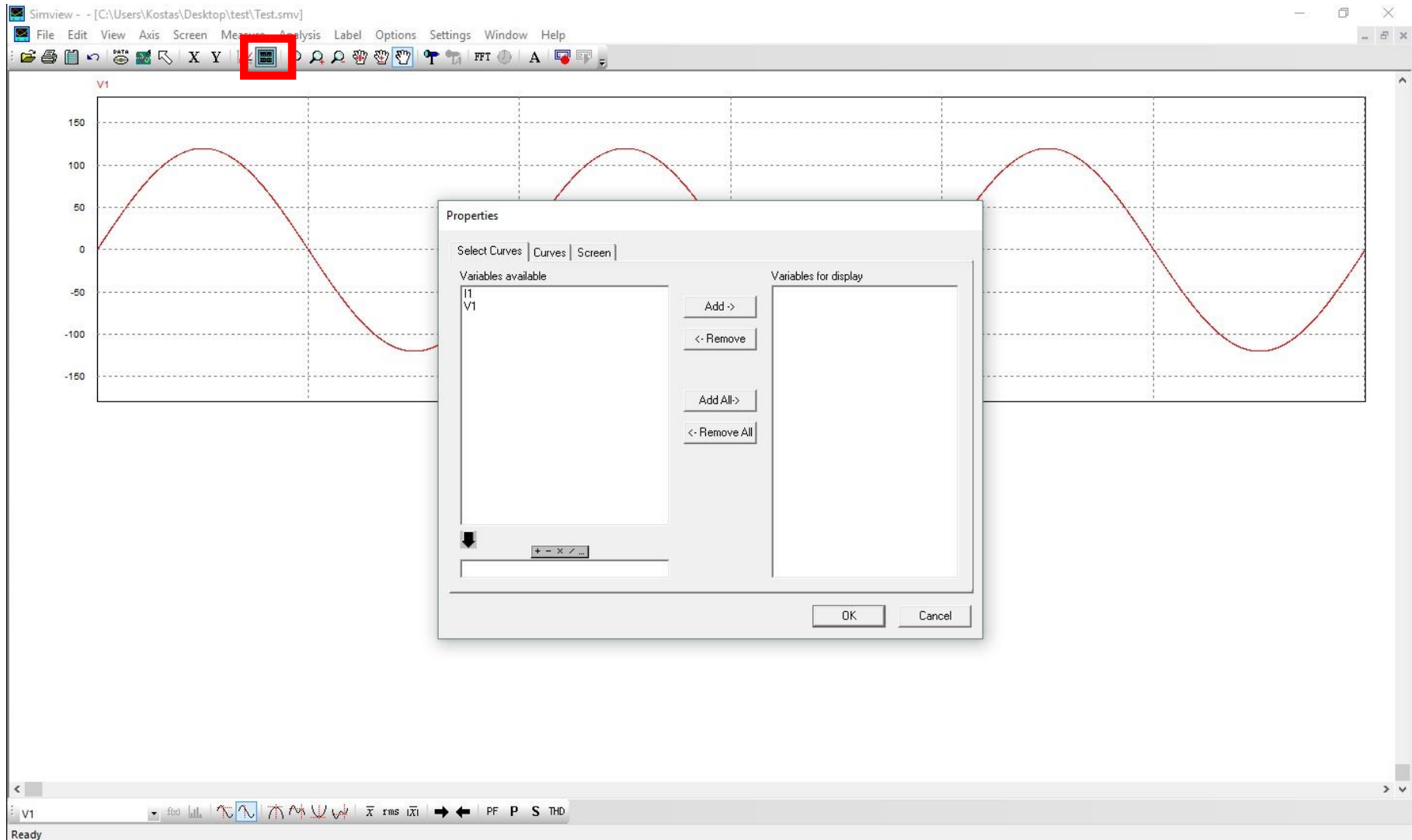
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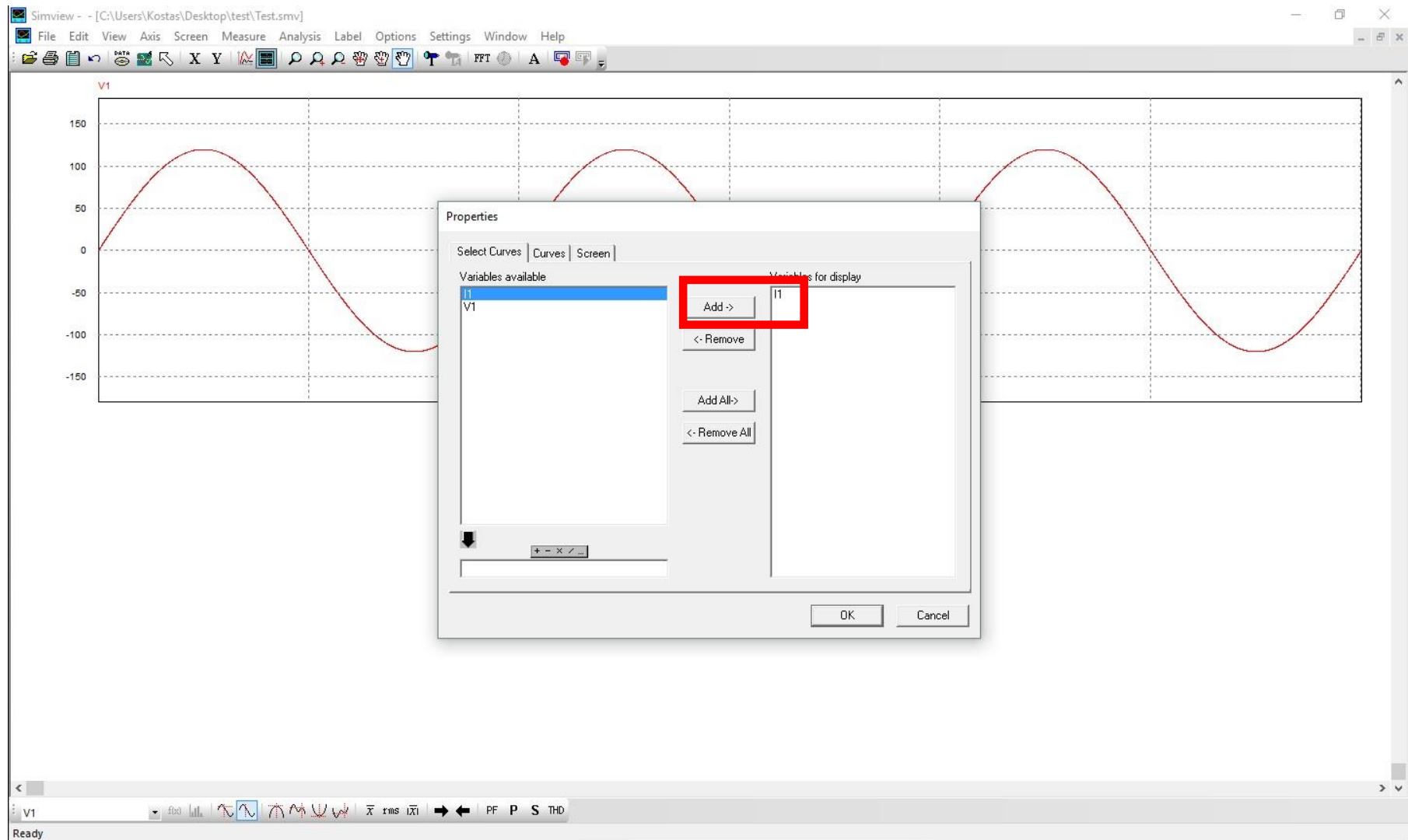
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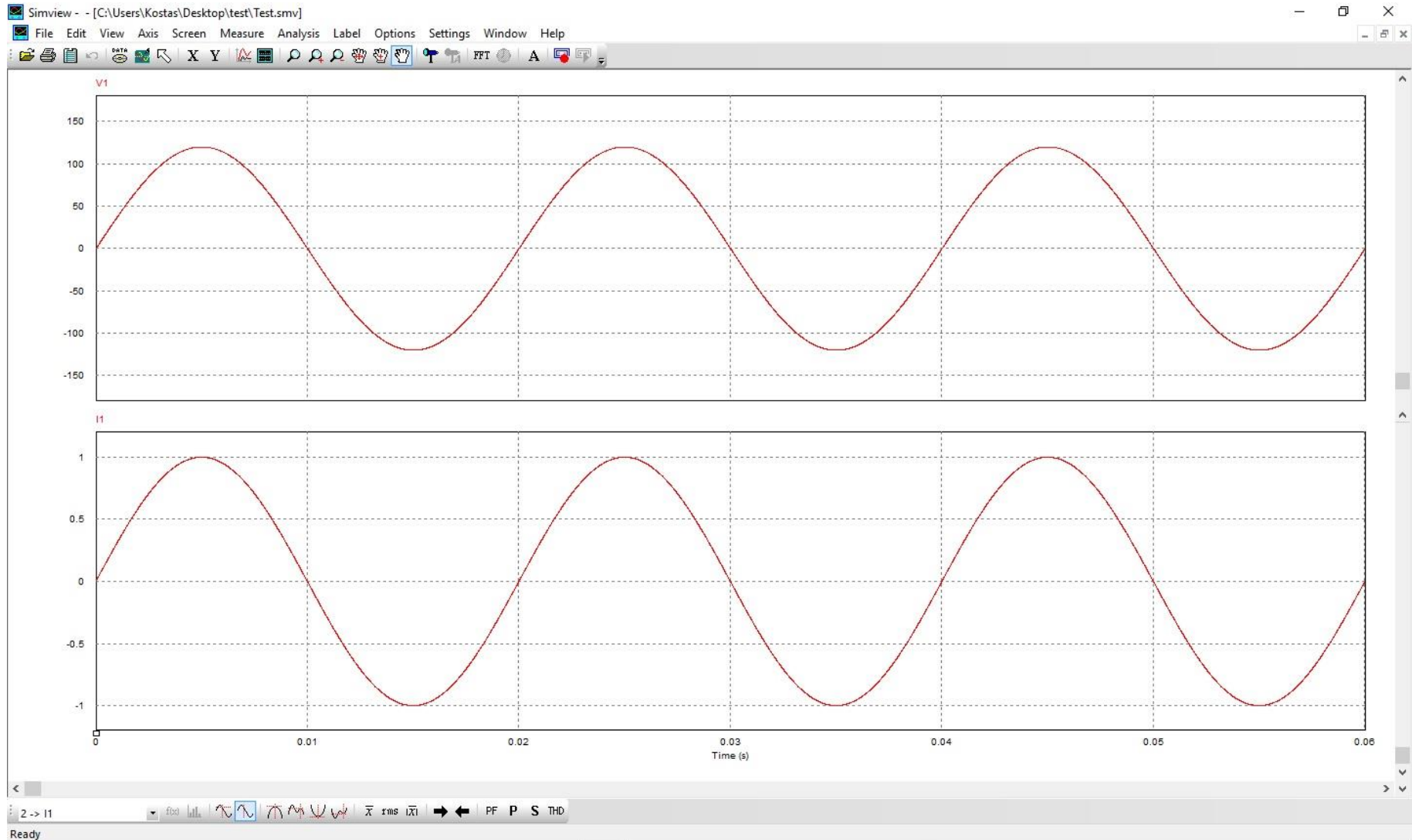
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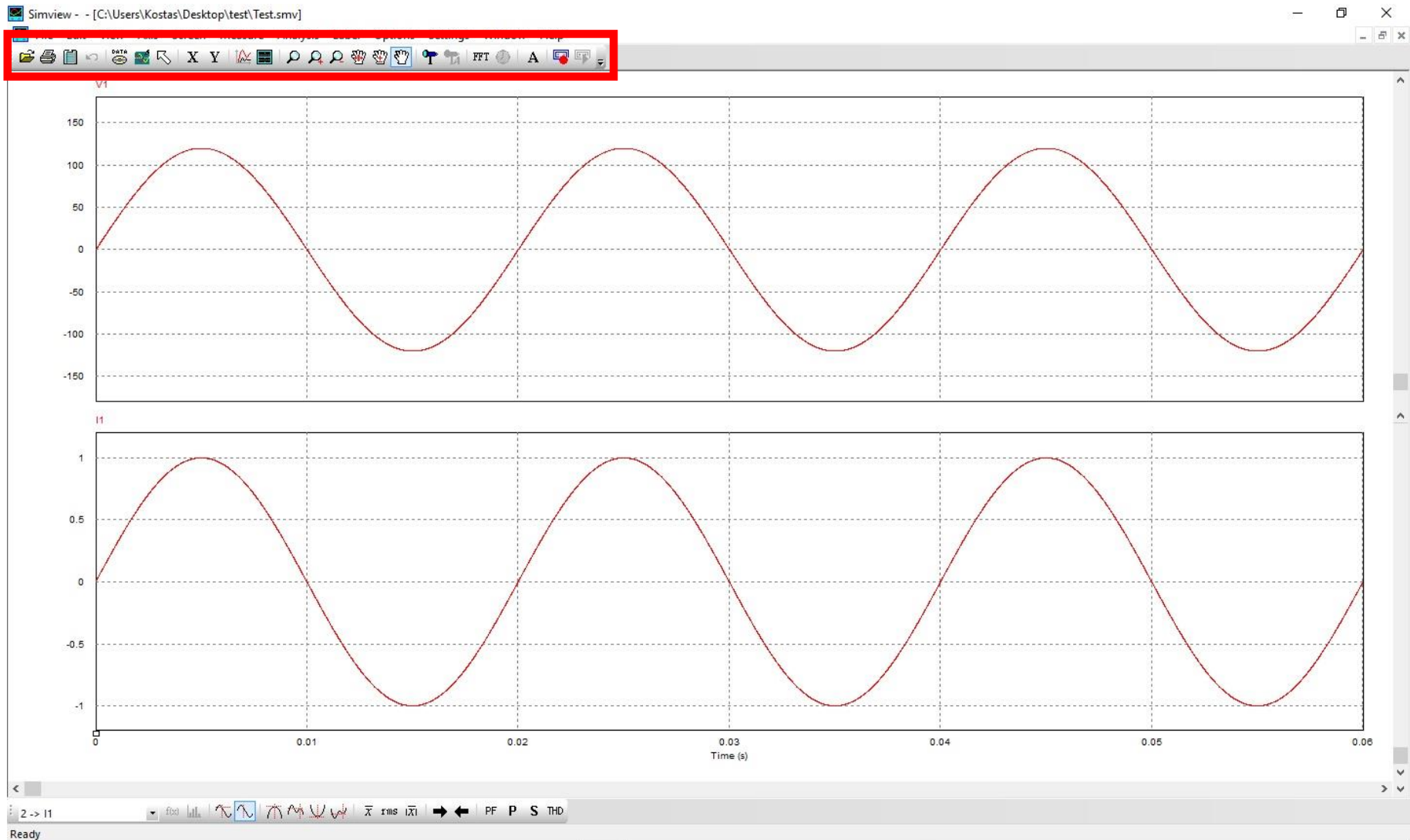
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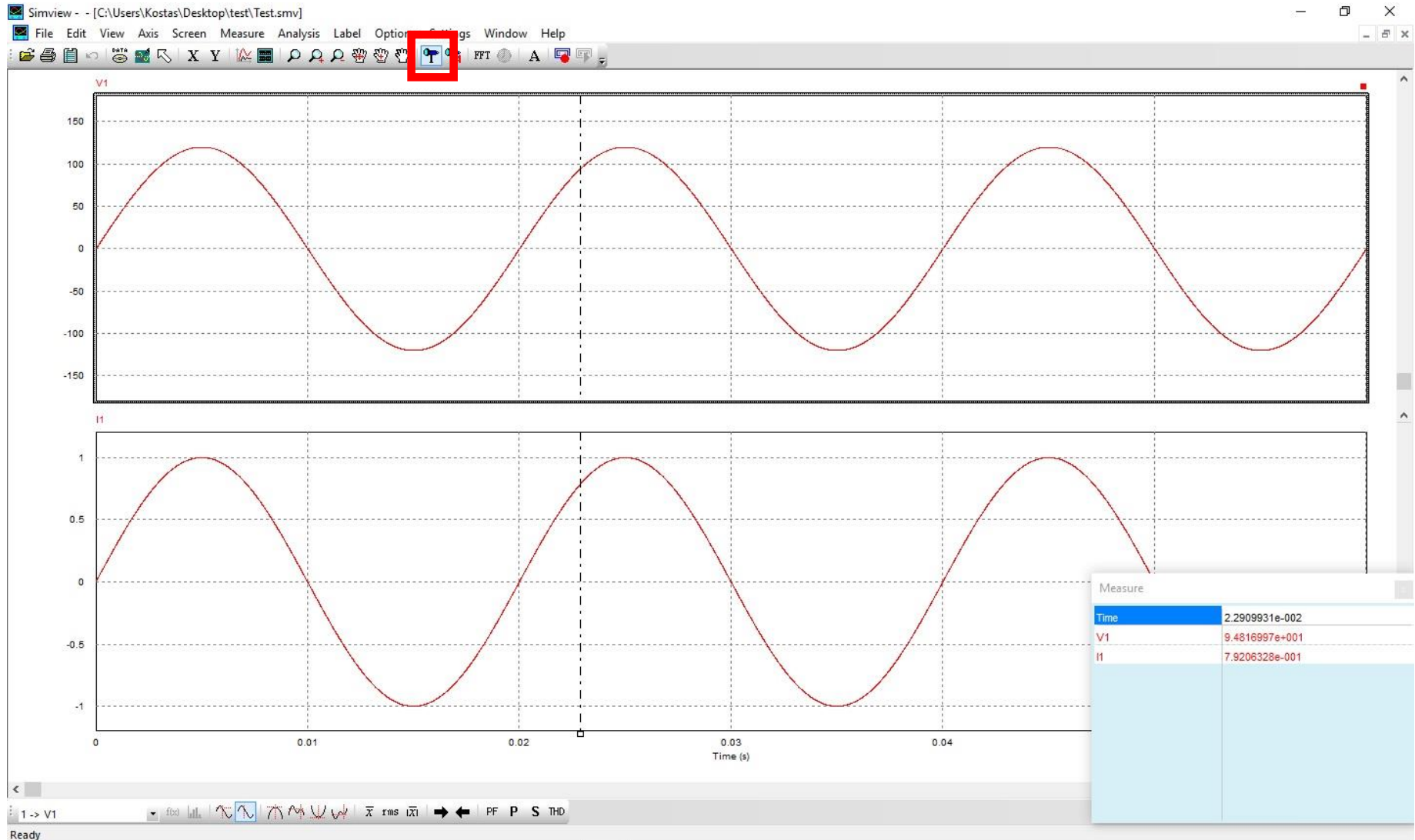
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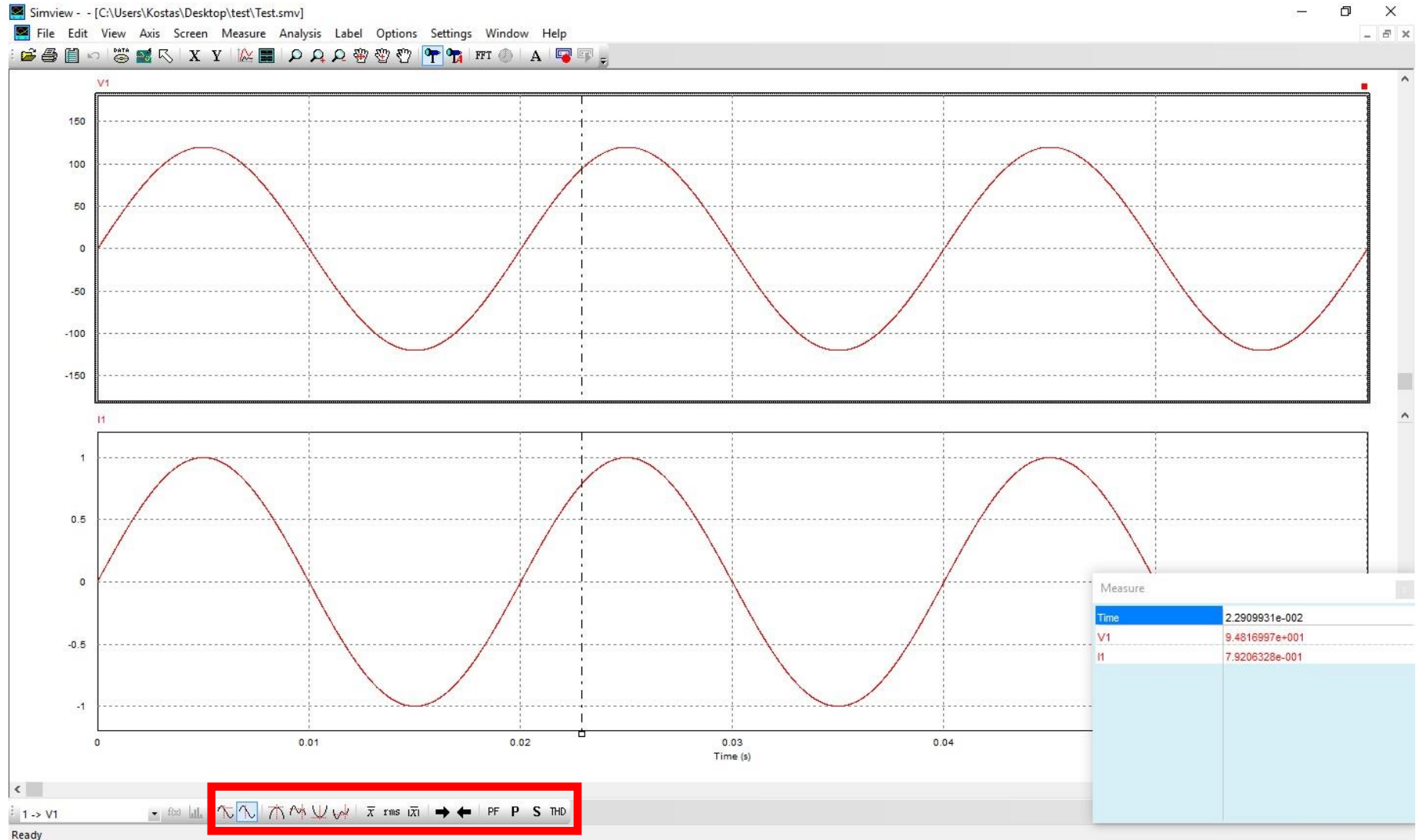
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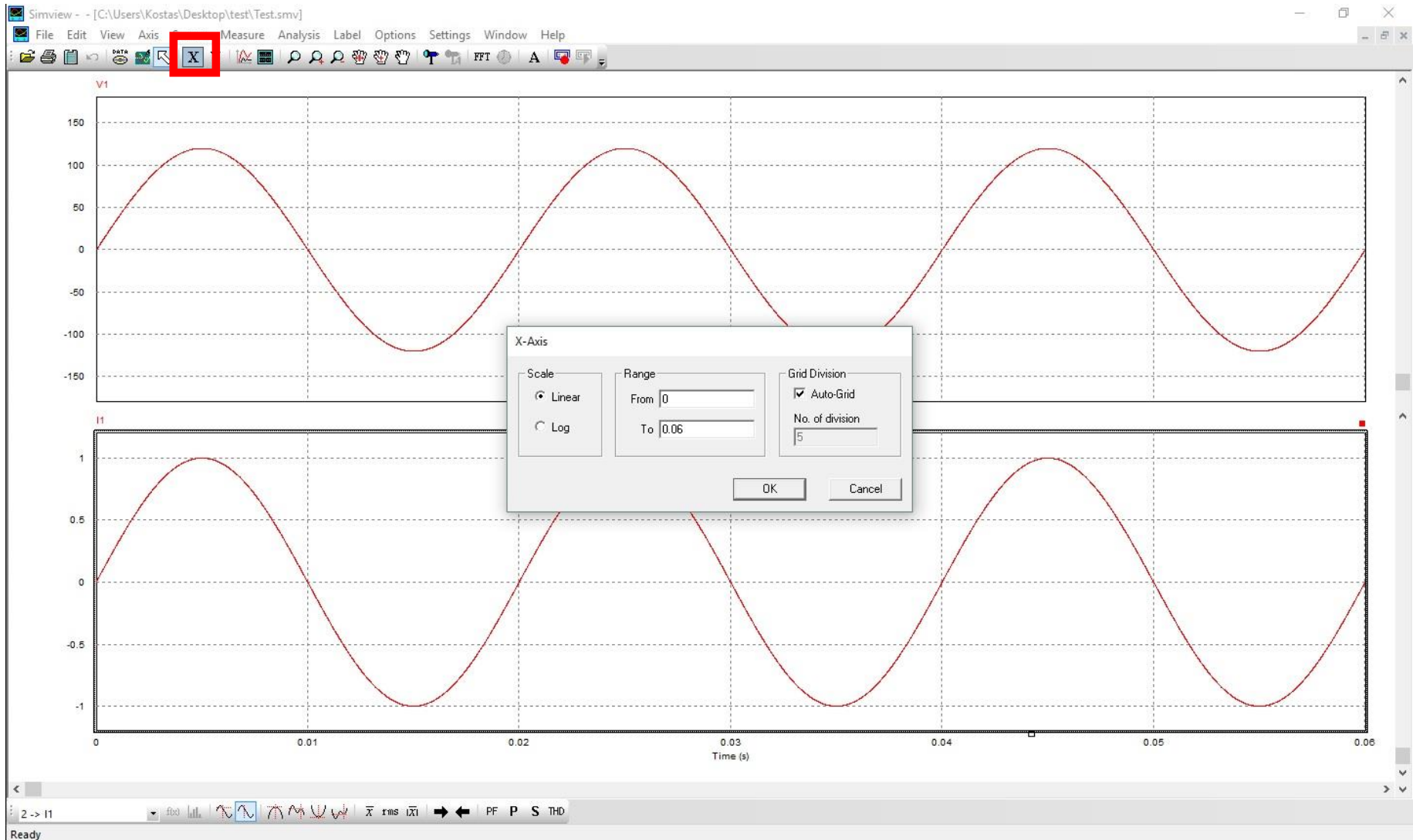
Οδηγίες λειτουργίας



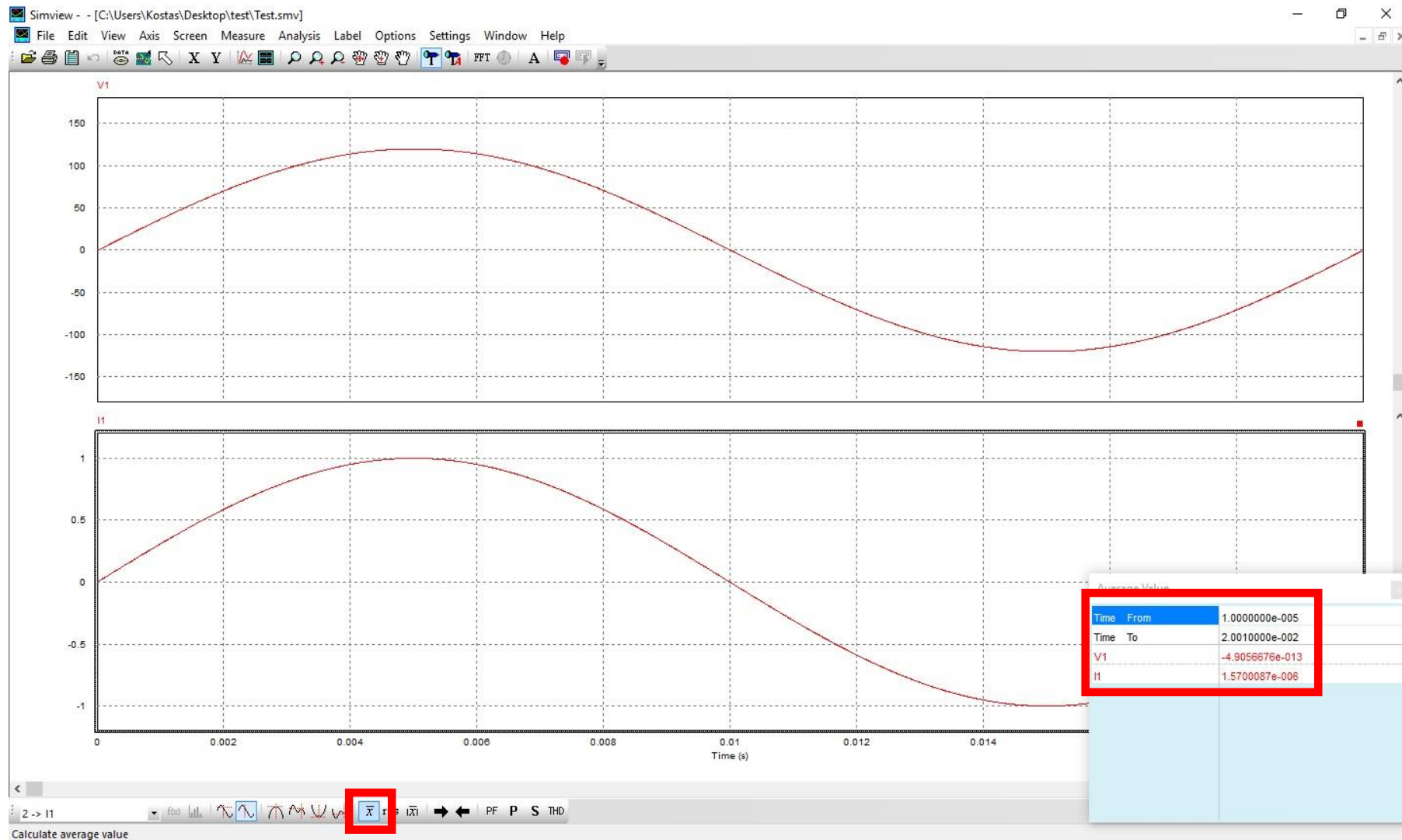
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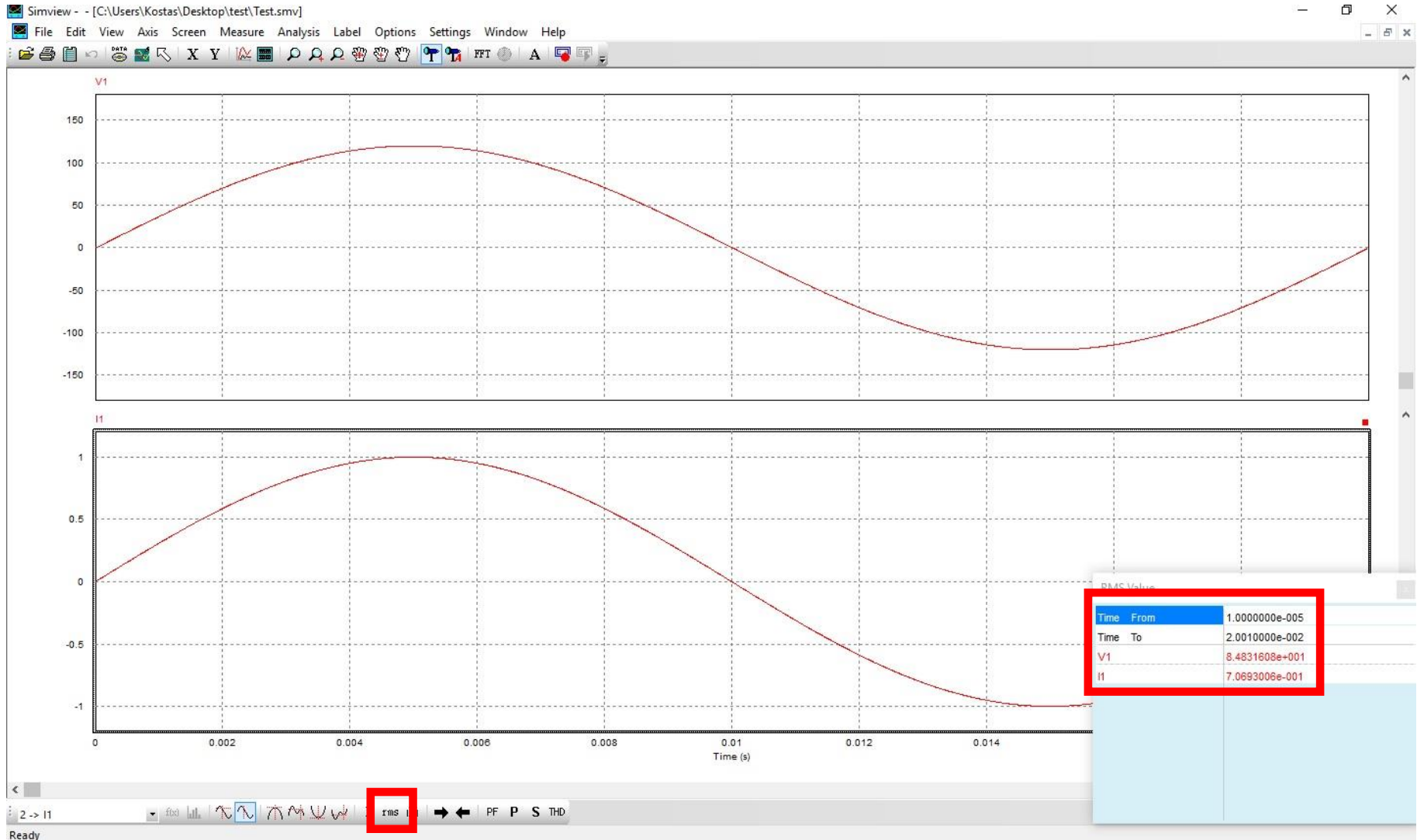
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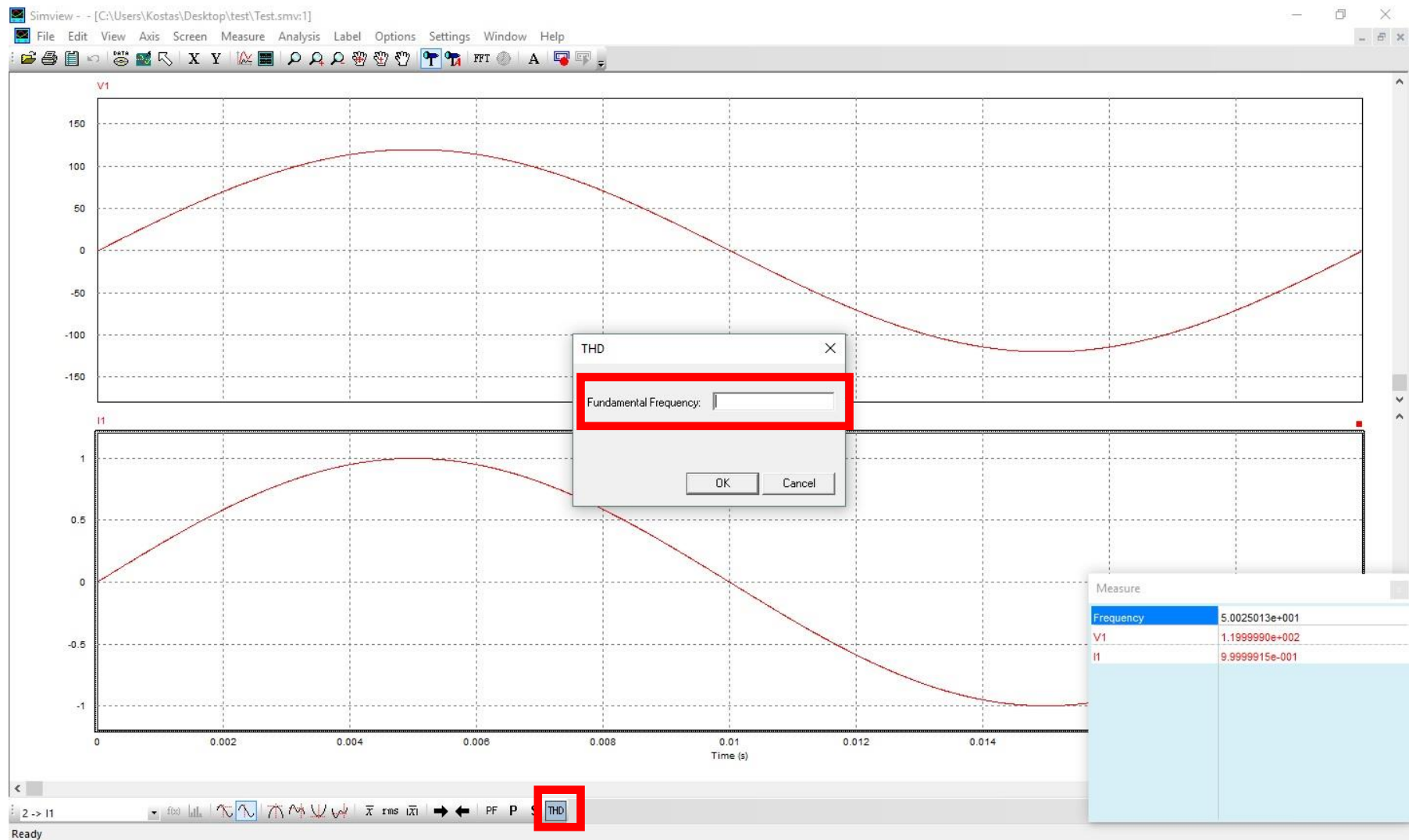
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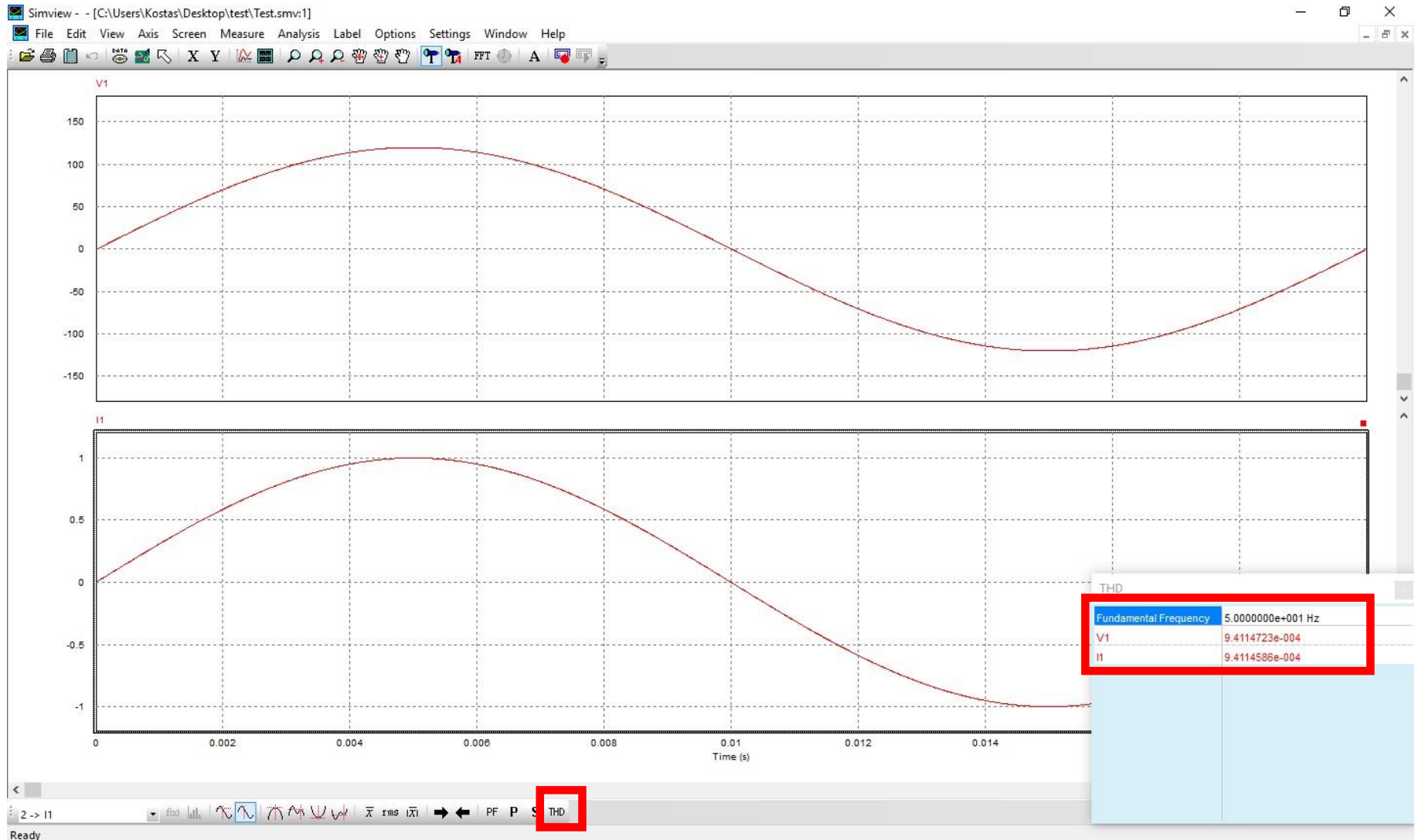
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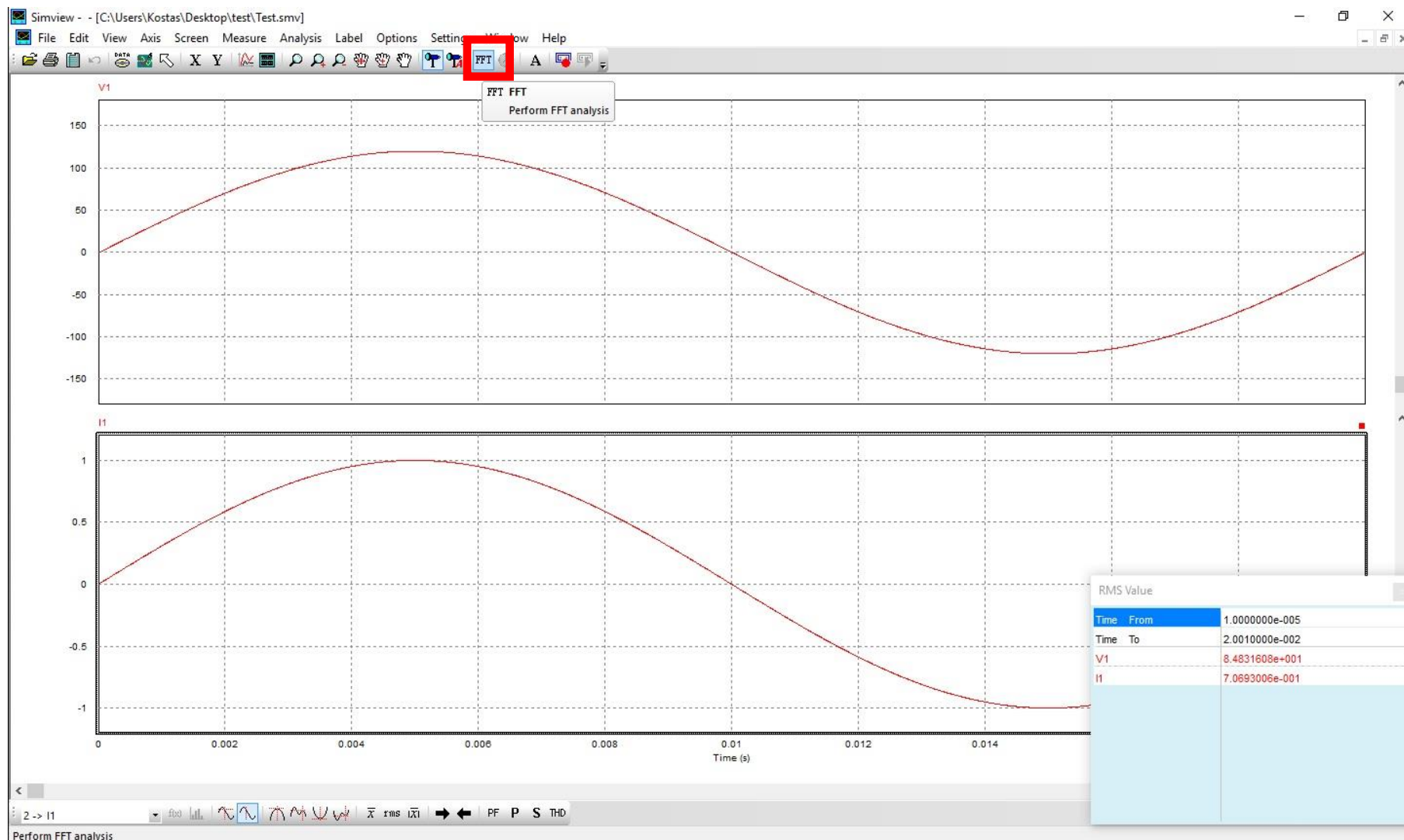
Οδηγίες λειτουργίας



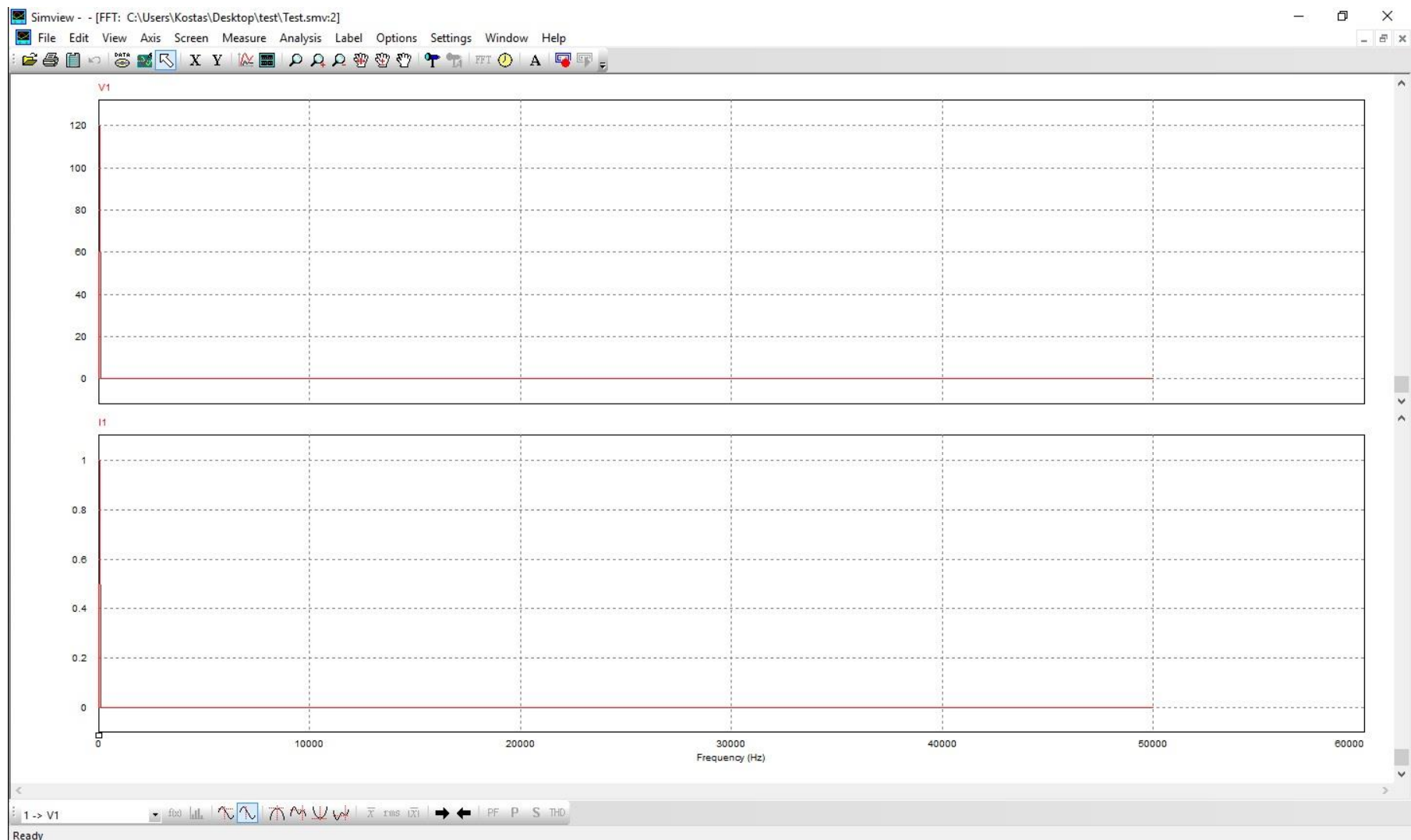
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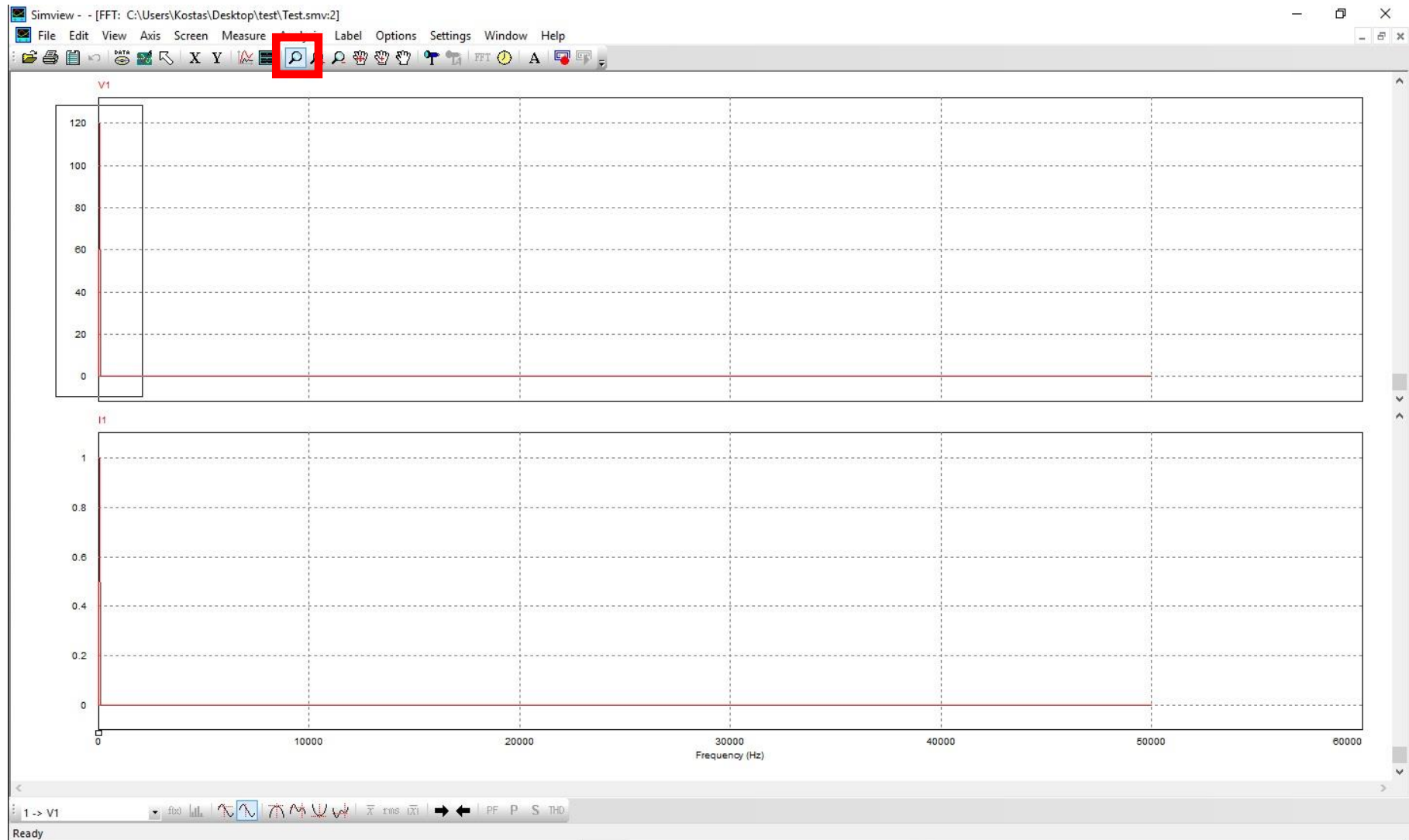
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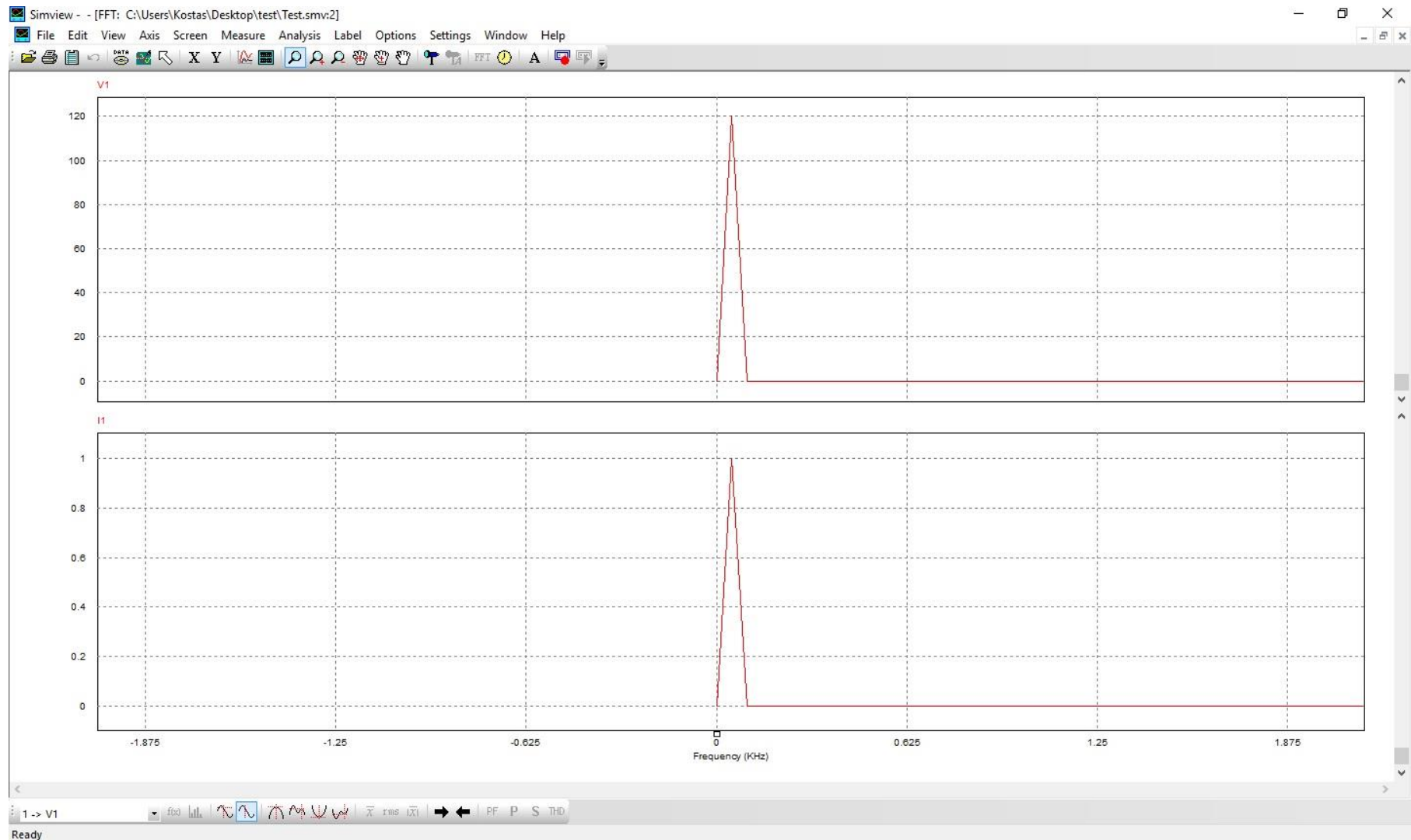
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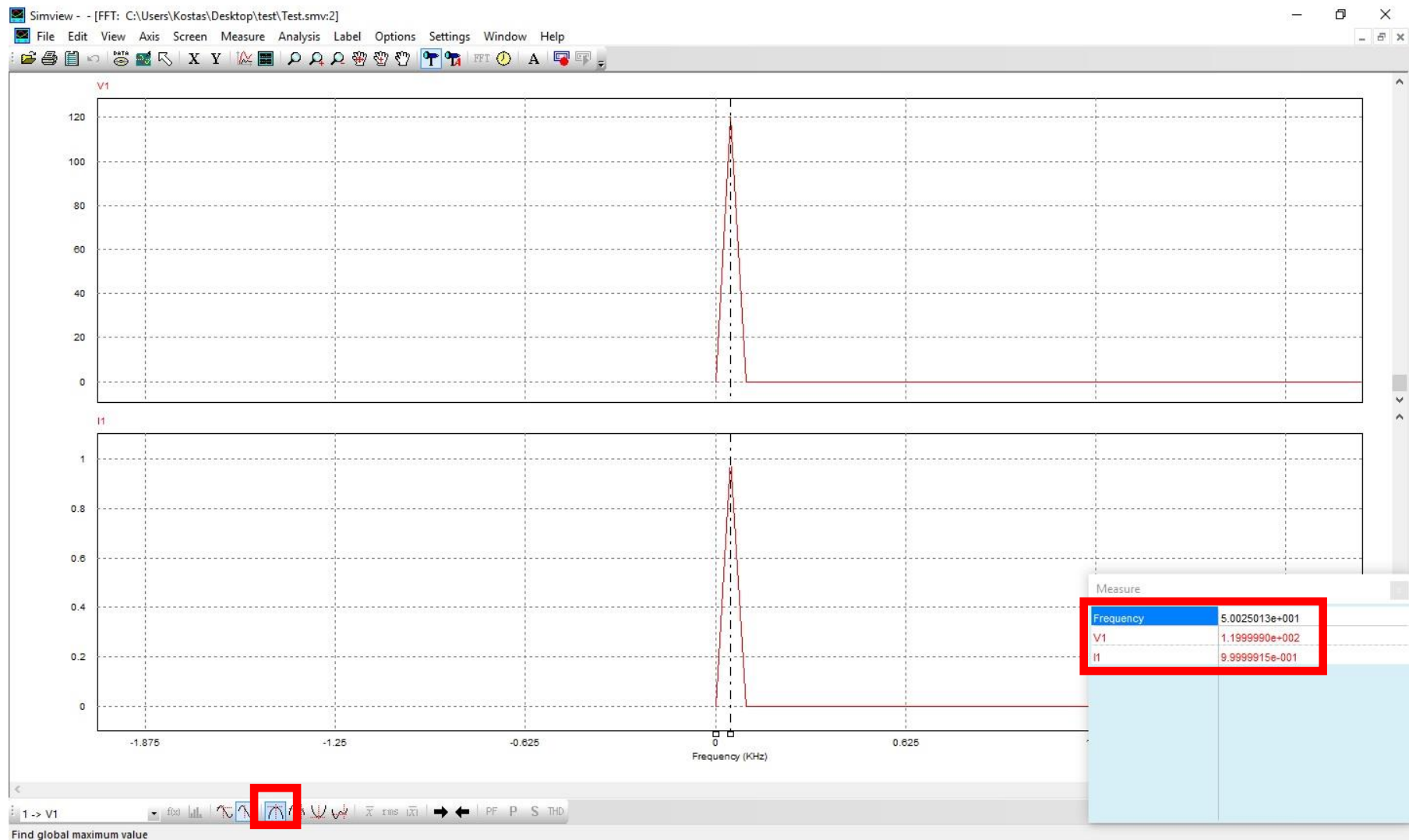
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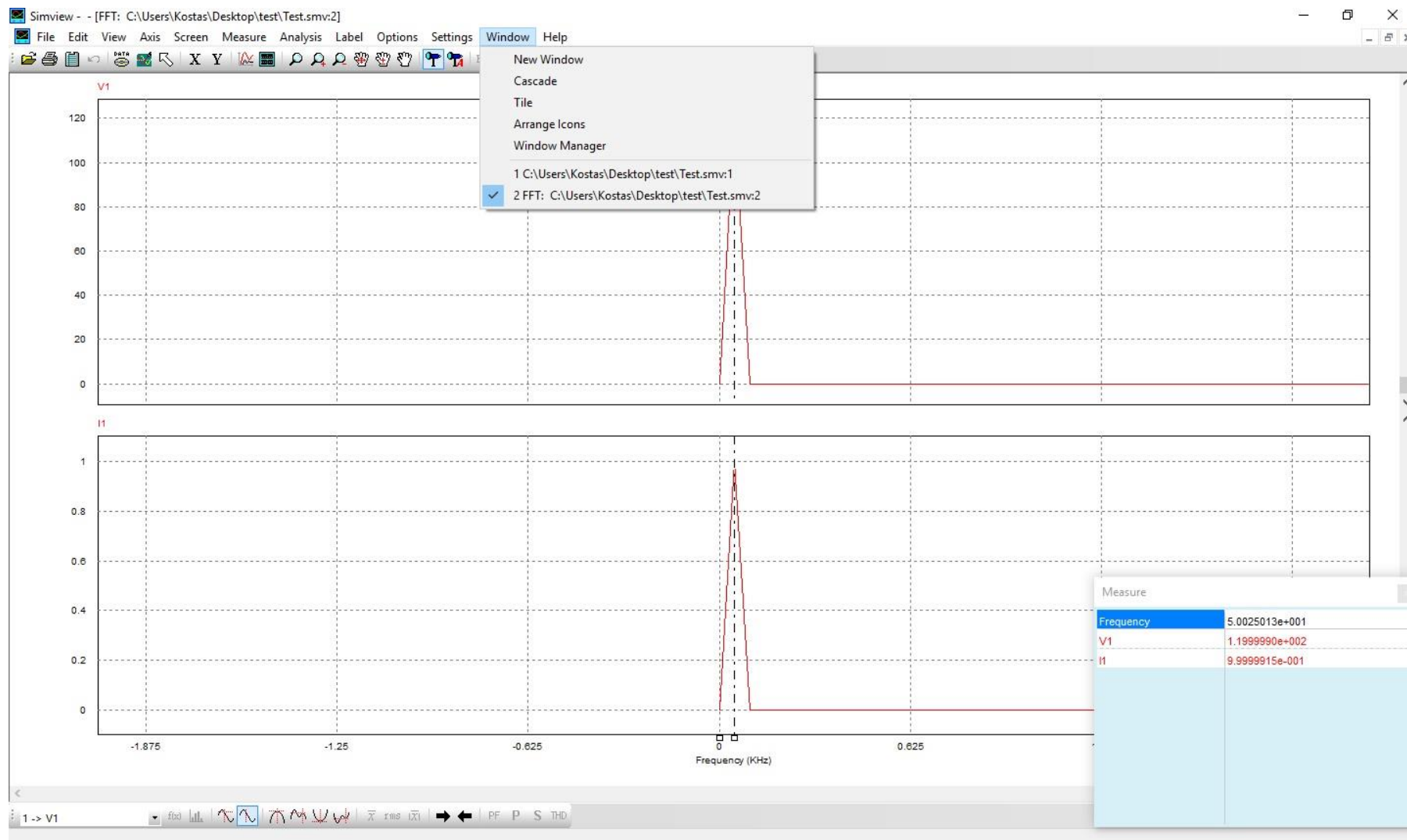
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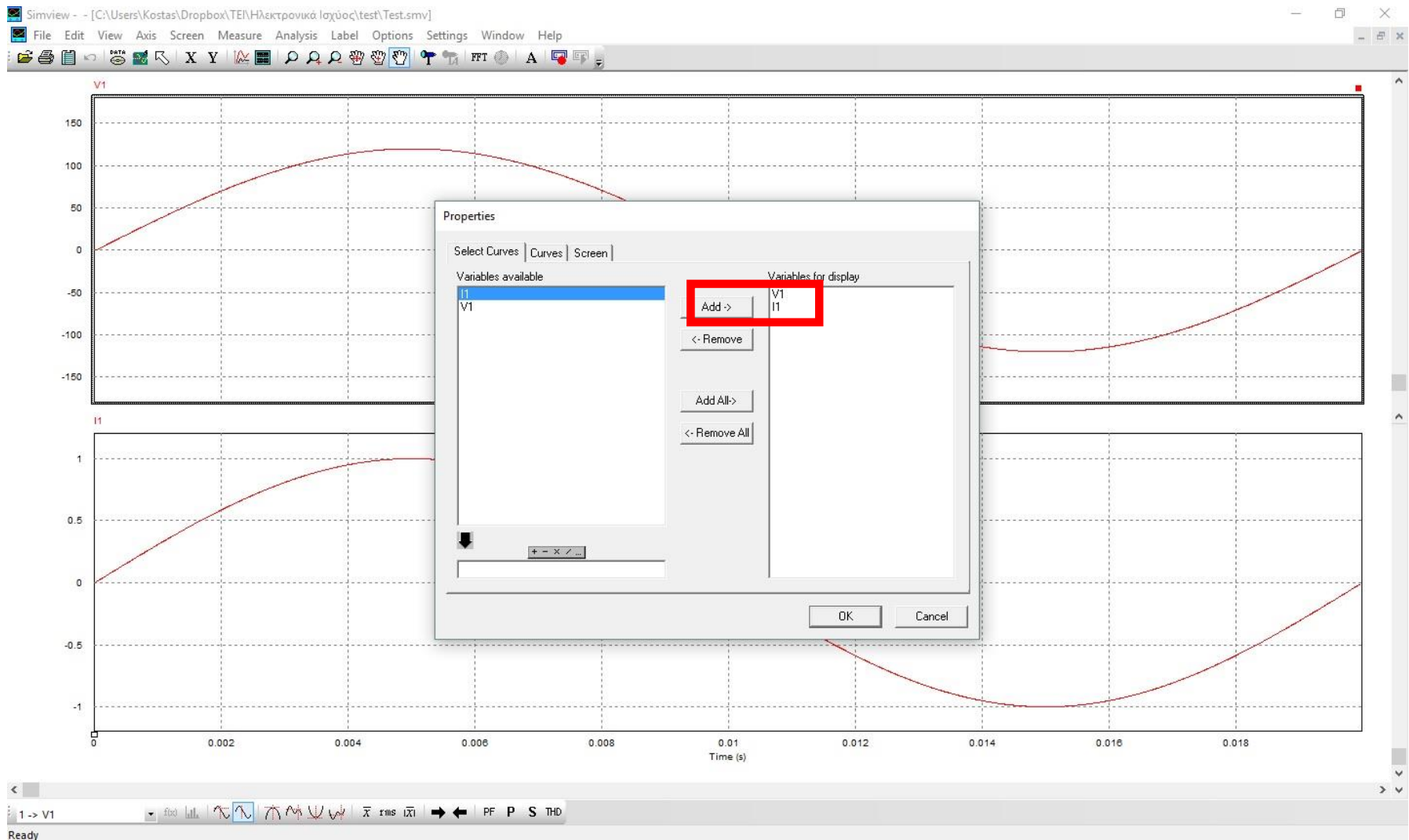
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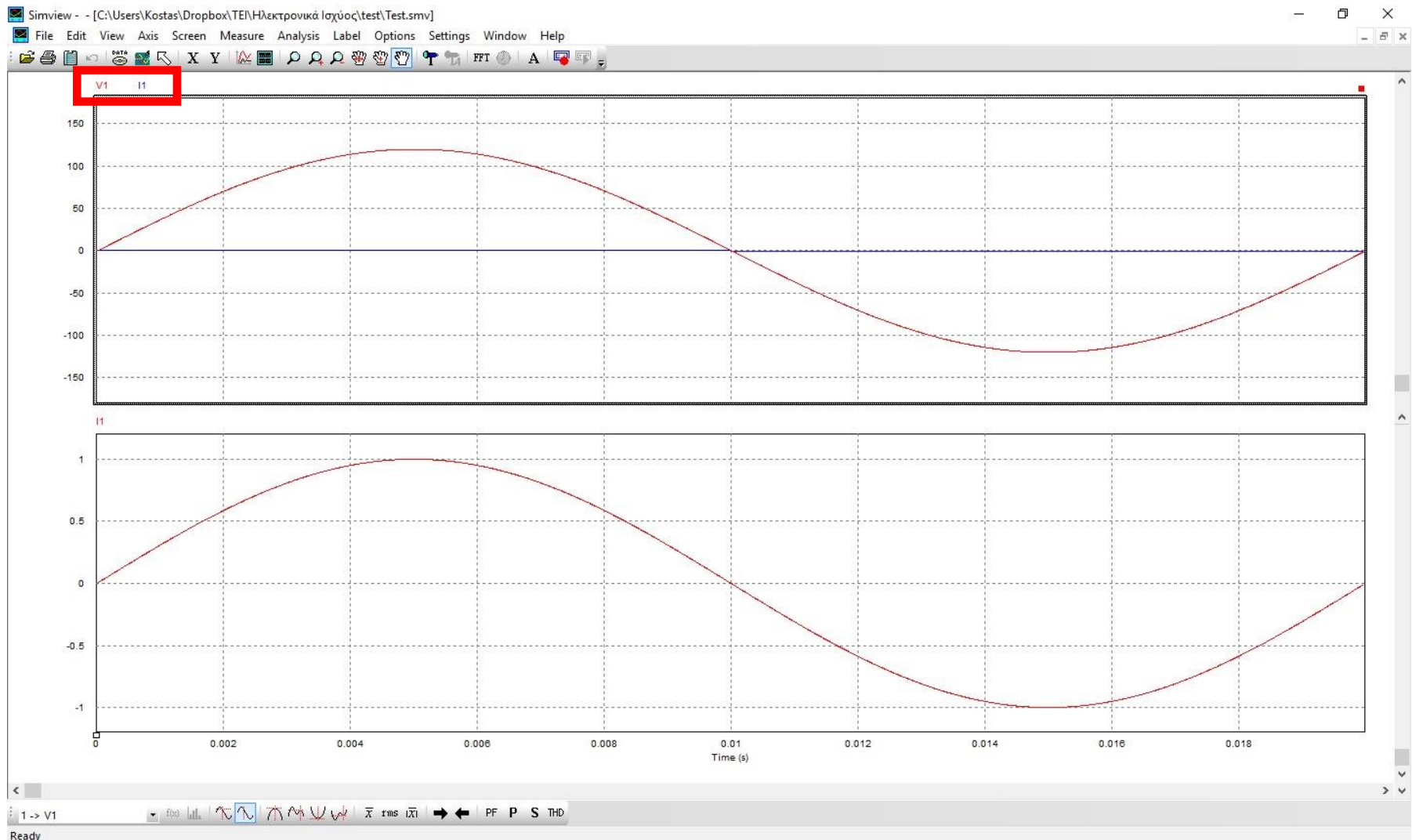
Οδηγίες λειτουργίας



Οδηγίες λειτουργίας



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