

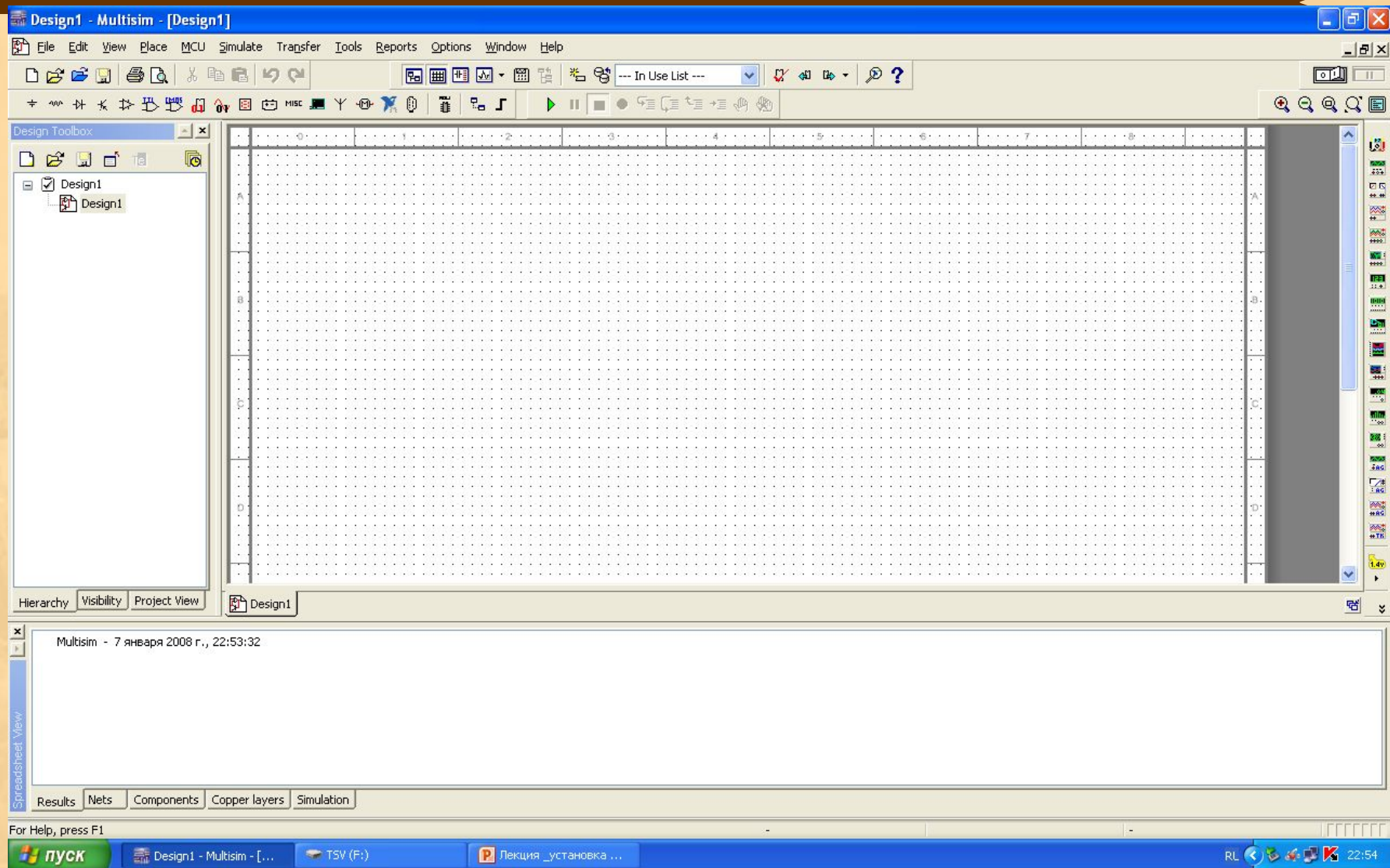


NI Multisim – National Instruments



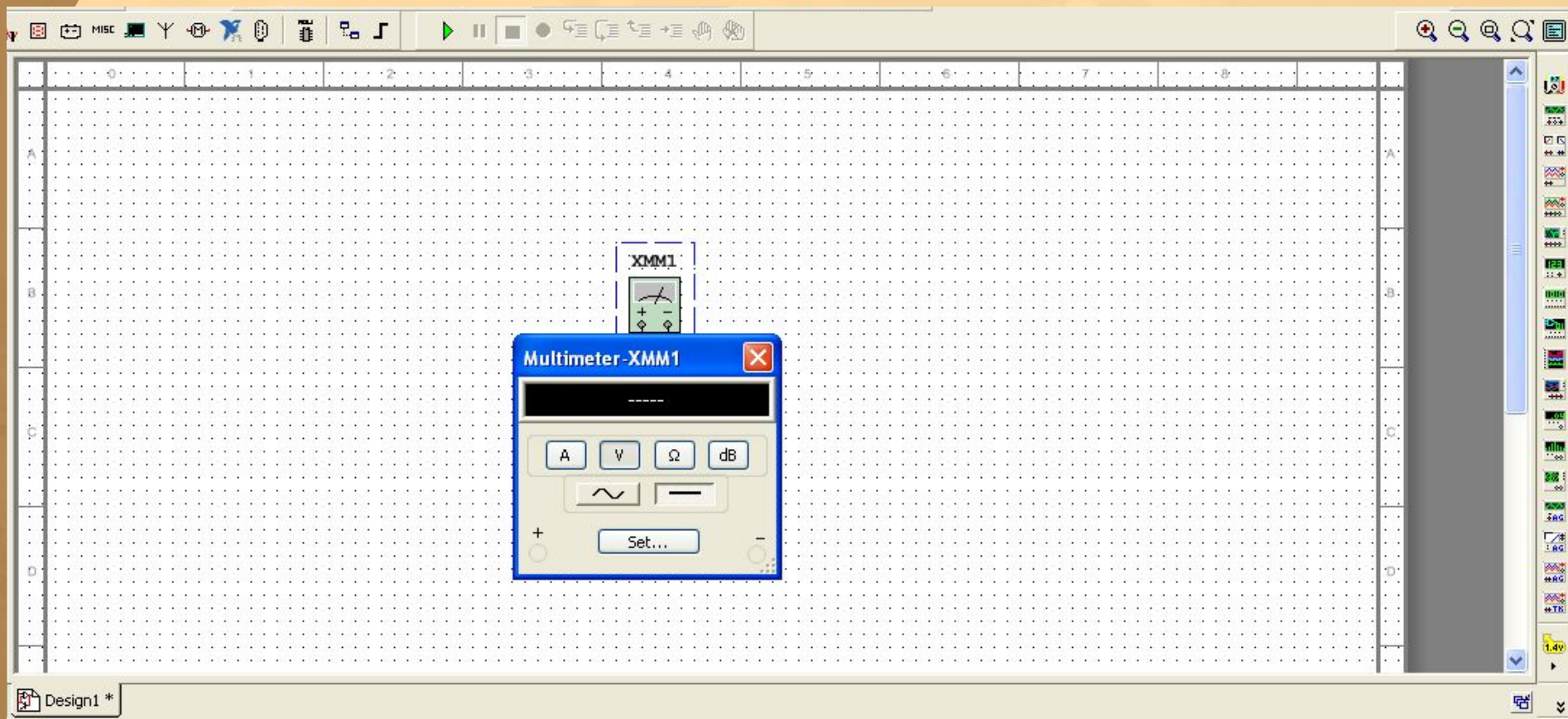


Интерфейс программы Multisim





Измерительные приборы Мультиметр





Генератор

The screenshot displays a circuit simulator workspace with a grid. A component labeled "XFG2" is placed on the grid. A configuration dialog box titled "Function generator-XFG2" is open, showing the following settings:

Waveforms: Three waveform icons are shown, with the square wave icon selected.

Signal options:

Frequency:	1	Hz
Duty cycle:	50	%
Amplitude:	10	Vp
Offset:	0	V

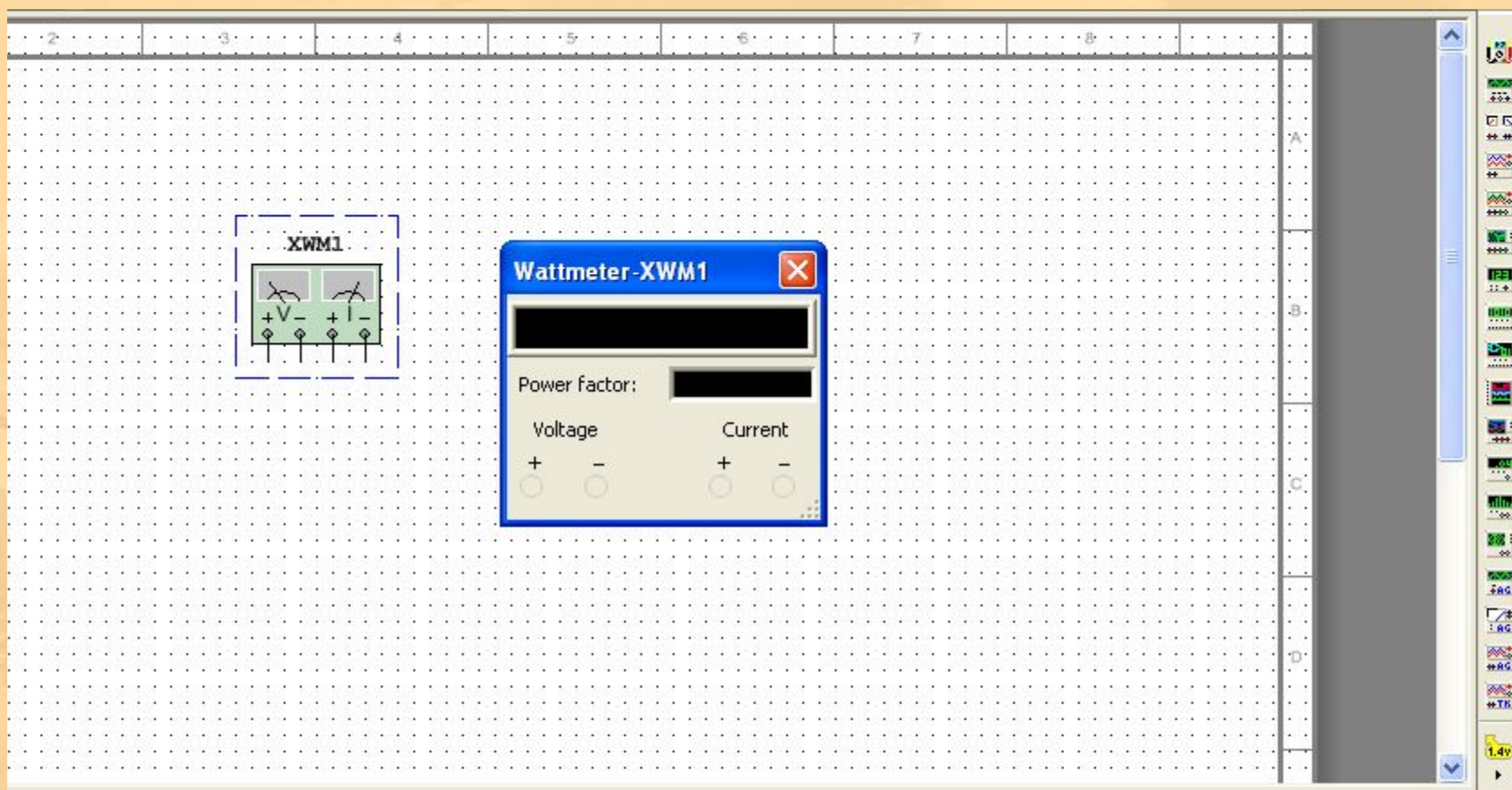
Set rise/Fall time: A button is present below the signal options table.

Common: Three radio buttons are shown, with the "Common" button selected.

The simulator interface includes a top toolbar with various icons, a right-side toolbar with waveform icons, and a bottom status bar showing "Design1 *".

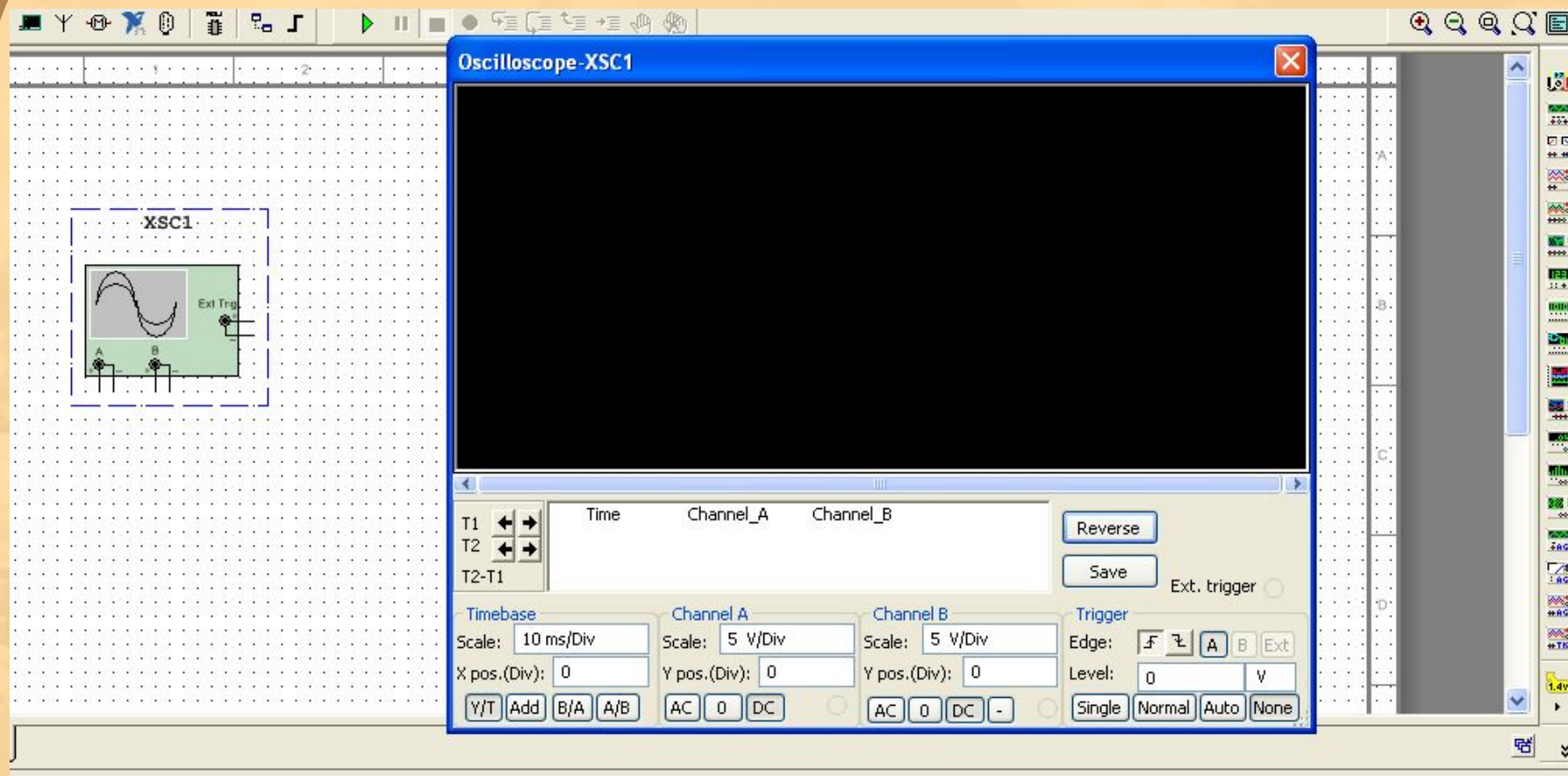


Ваттметр





Оциллограф





Пишущий осциллограф Графопостроитель

The image shows a software interface for a digital oscilloscope and Bode plotter. The main window displays a breadboard circuit with a four-channel oscilloscope (XSC1) and a Bode plotter (XBP1). The oscilloscope window is titled "Four channel oscilloscope-XSC1" and shows a waveform on the screen. The Bode plotter window is titled "Bode Plotter-XBP1" and shows a plot of magnitude and phase. The interface includes various controls for timebase, channel scales, and triggering.

Four channel oscilloscope-XSC1

Timebase: Scale: 10 ms/Div, X pos.(Div): 0

Channel_A: Scale: 5 V/Div, Y pos.(Div): 0

Trigger: Edge: \uparrow , Level: 0 V

Buttons: Y/T, A/B >, A+B >, AC, 0, DC, -, Single, Normal, Auto, None, A >, Ext

Bode Plotter-XBP1

Mode: Magnitude, Phase

Horizontal: Log, Lin

Vertical: Log, Lin

F 1 GHz, I 1 mHz

F 0 dB, I -200 dB

Controls: Reverse, Save, Set...



Базовые элементы

Design Toolbox

Design1

Design1

Hierarchy Visibility Project View

Multisim - 7 января 2008 г., 22:53:32

Select a Component

Database: Master Database

Component: CURRENT_CONTROLLED_SPST

Group: Basic

Family: <All Families>

- BASIC_VIRTUAL
- RATED_VIRTUAL
- RPACK
- SWITCH
- TRANSFORMER
- NON_IDEAL_RLC
- RELAY
- SOCKETS
- SCHEMATIC_SYMBOLS
- RESISTOR
- CAPACITOR
- INDUCTOR
- CAP_ELECTROLIT
- VARIABLE_CAPACITOR
- VARIABLE_INDUCTOR
- POTENTIOMETER

Symbol (ANSI)

Function: Current controlled Single Pole Single Throw switch

Model manufacturer/ID: National Instruments / CC_SPDT

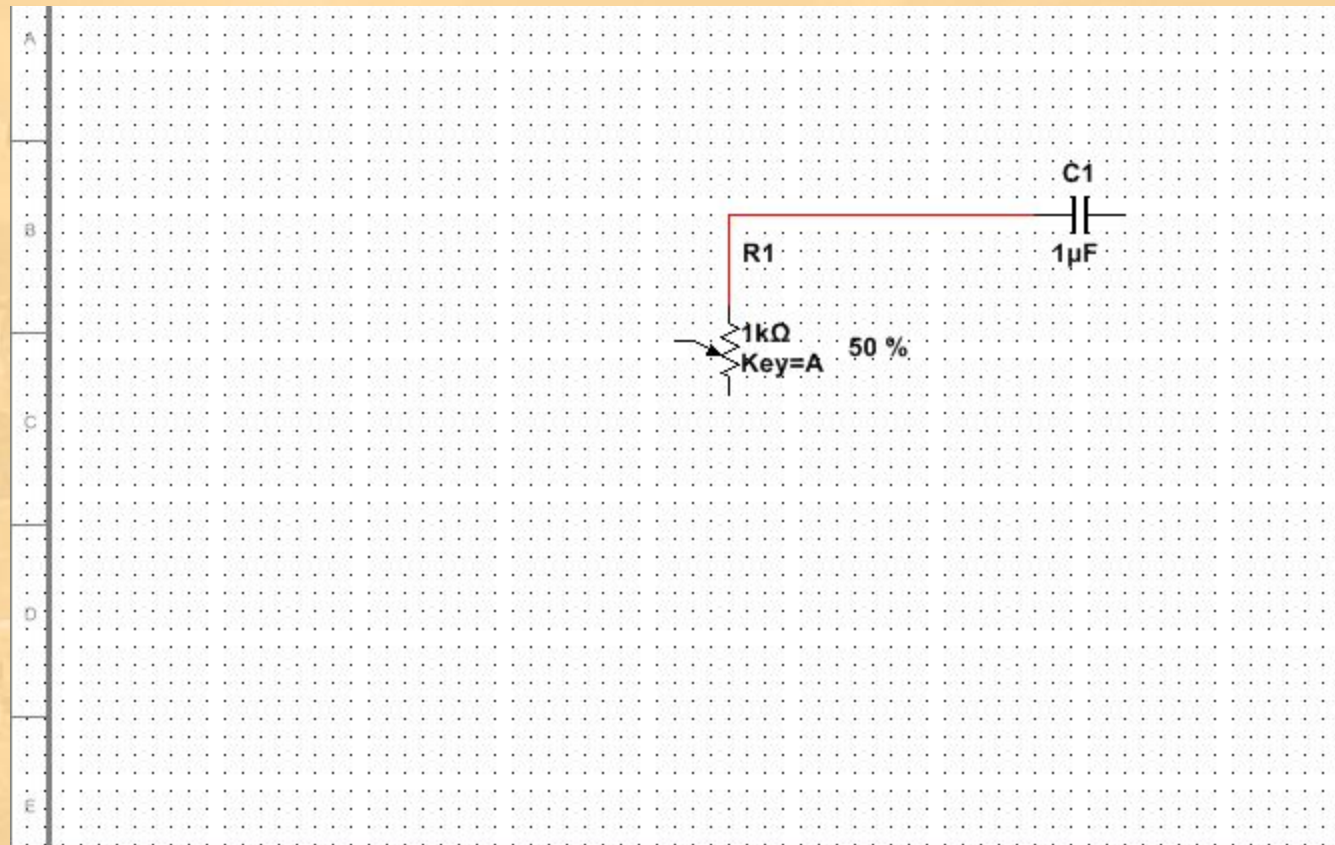
Footprint manufacturer/type:

Hyperlink:

Components: 30 Searching: Filter: off

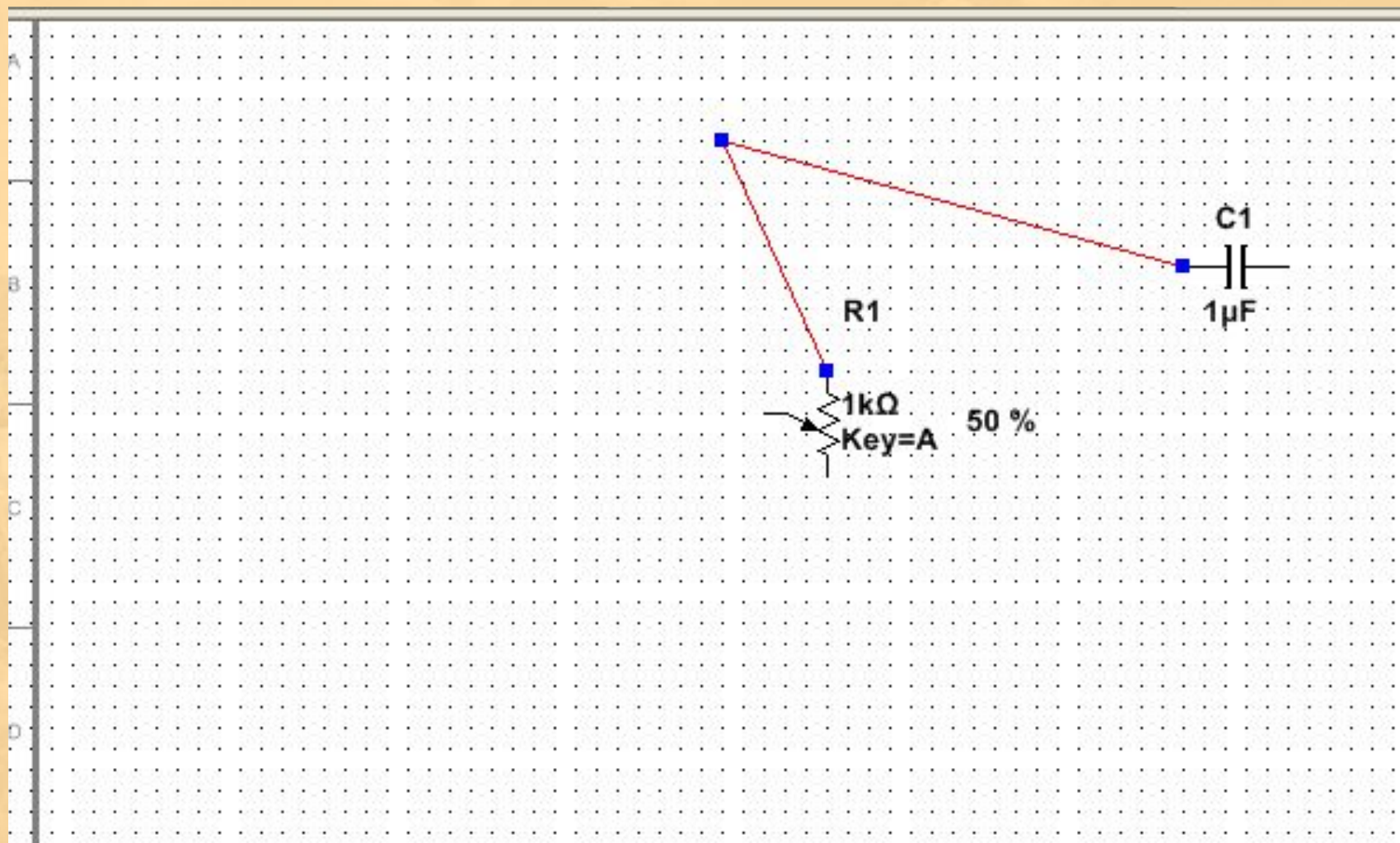


Сборка схем



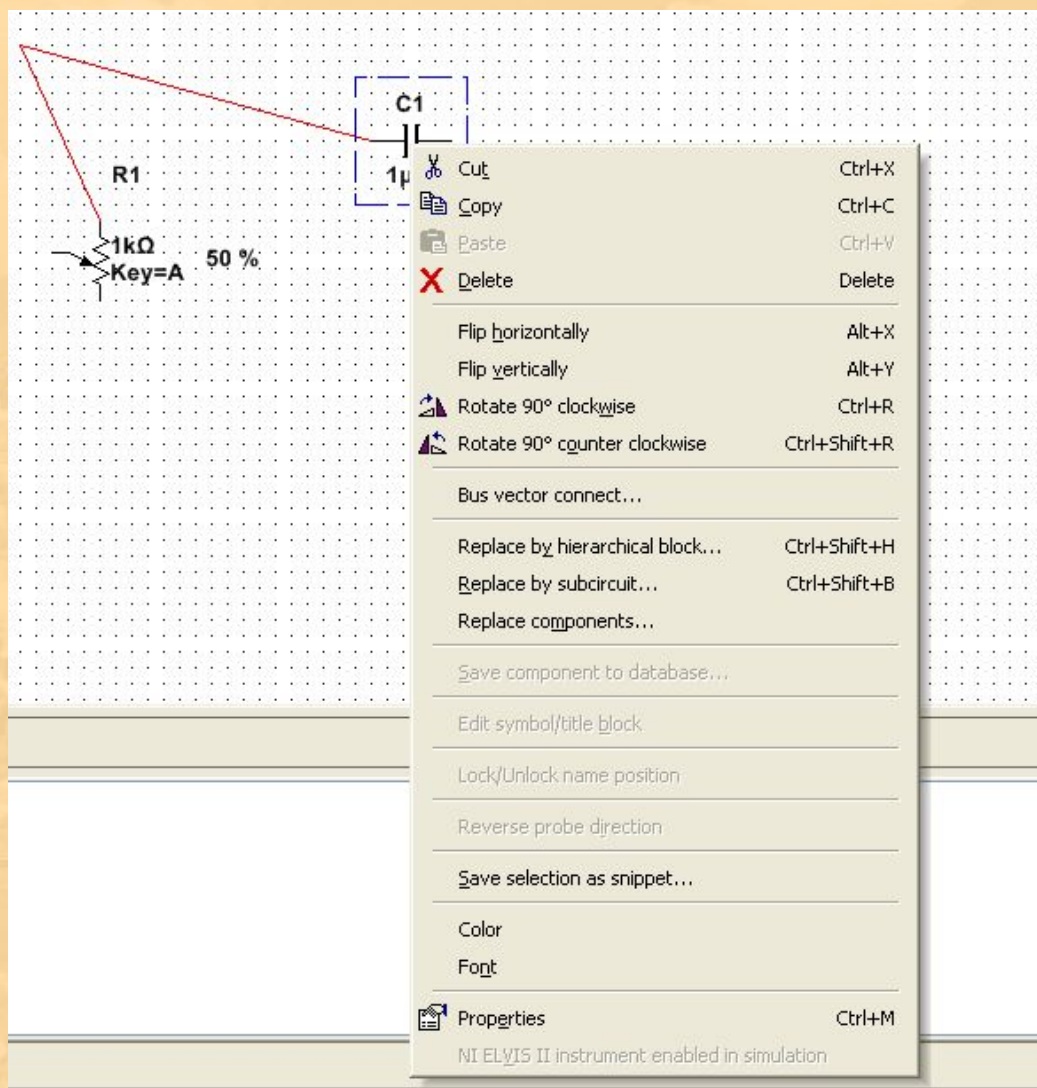


Редактирование схем и соединений





Редактирование элементов (расположение на принципиальной схеме).





Параметры элементов и их маркировка

The image shows a screenshot of a PCB design software interface. On the left, a circuit diagram is displayed on a grid. It features a resistor labeled 'R1' with a value of '1k Ω ' and a tolerance of '50 %'. A red line points from the resistor to a capacitor symbol labeled 'C1' with a value of '1 μ F'. On the right, a 'Capacitor' dialog box is open, showing the following parameters:

- Label: C1
- Display: 1 μ F
- Value: 1u F
- Tolerance: 0 %
- Component type: (empty field)
- Hyperlink: (empty field)
- Additional SPICE simulation parameters:
 - Initial conditions: 0 V
- Layout settings:
 - Footprint: (empty field) [Edit footprint...]
 - Manufacturer: (empty field)

At the bottom of the dialog box, there are buttons for 'Replace', 'OK', 'Cancel', and 'Help'.



. Схема замещения емкостного делителя напряжения





Схема замещения смешанного делителя напряжения

