

PSPICE
(2.Transient Analysis)
for
Network Analysis & Lab

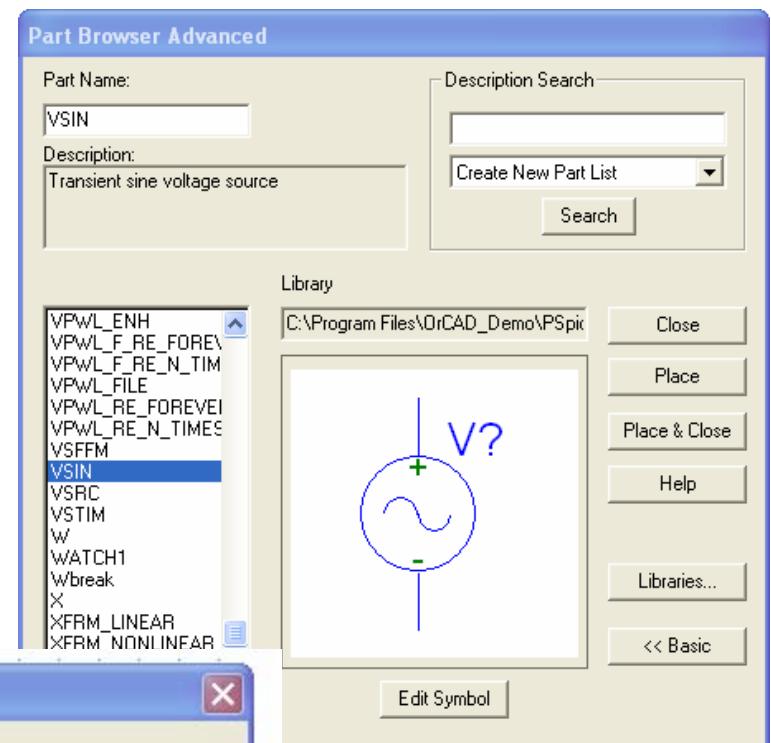
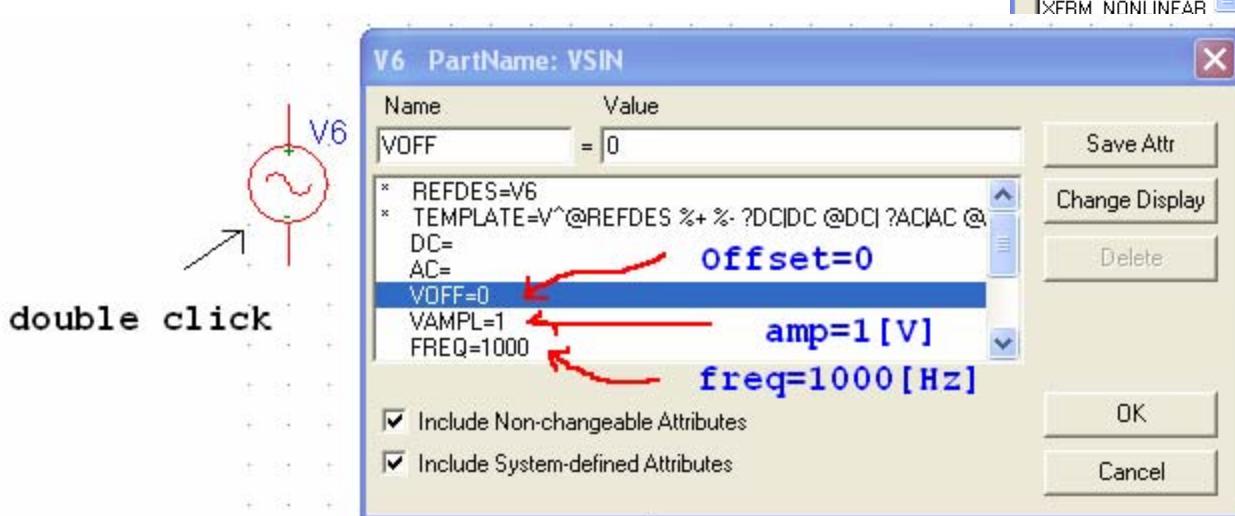
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Sinusoidal Source: VSIN

- Sinusoidal source placement: **VSIN**
- Amplitude and Frequency Setting
- Don't forget to set VOFF=0



Triangular Source: VPULSE

Part Browser Advanced

Part Name: **VPULSE**

Description: Pulse voltage source

Description Search: Create New Part List Search

Library: C:\Program Files\OrCAD_Demo\PSpice

VPULSE

VPWL

VPWL_ENH

VPWL_F_RE_FOREV

VPWL_F_RE_N_TIM

VPWL_FILE

VPWL_RE_FOREVEI

VPWL_RE_N_TIMES

VSSFM

V\$IN

V\$RC

V\$TIM

W

WATCH1

Wbreak

X

XFRM LINEAR

V?

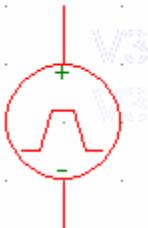
Close Place Place & Close Help Libraries... << Basic

V3 PartName: VPULSE

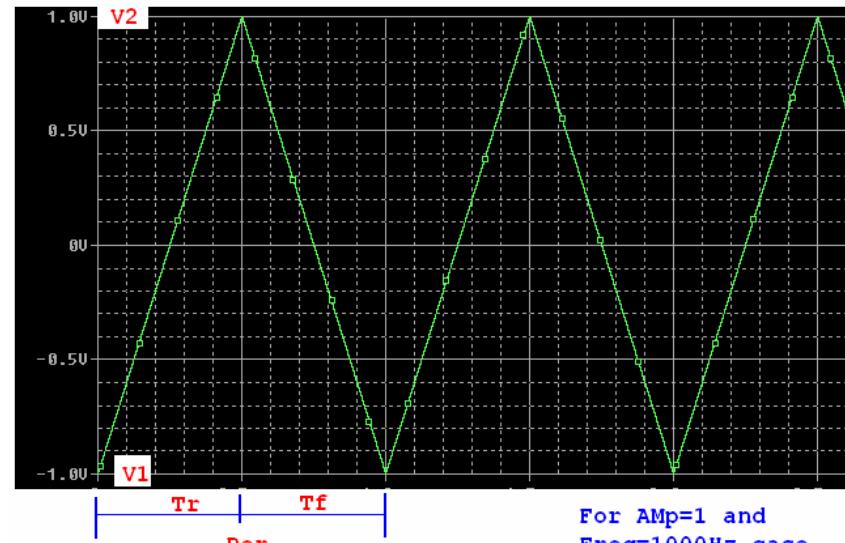
Name	Value
PER	= 1ms
V1	= -1
V2	= 1
TD	=
TR	= 0.5ms
TF	= 0.5ms
PW	= 1u
PER	= 1ms

Include Non-changeable Attributes
 Include System-defined Attributes

Save Attr Change Display Delete OK Cancel



Vpulse

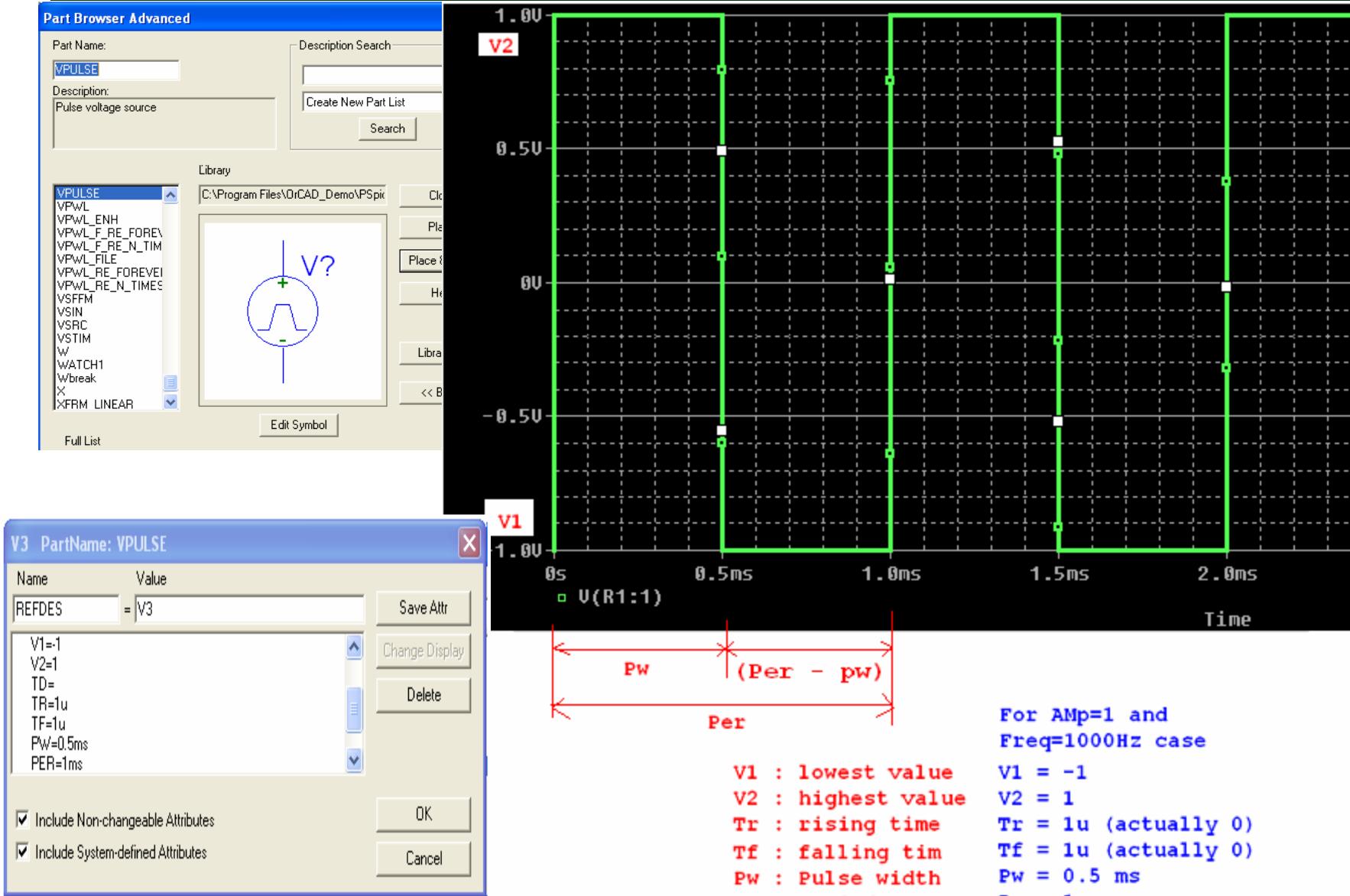


For AMP=1 and
Freq=1000Hz case

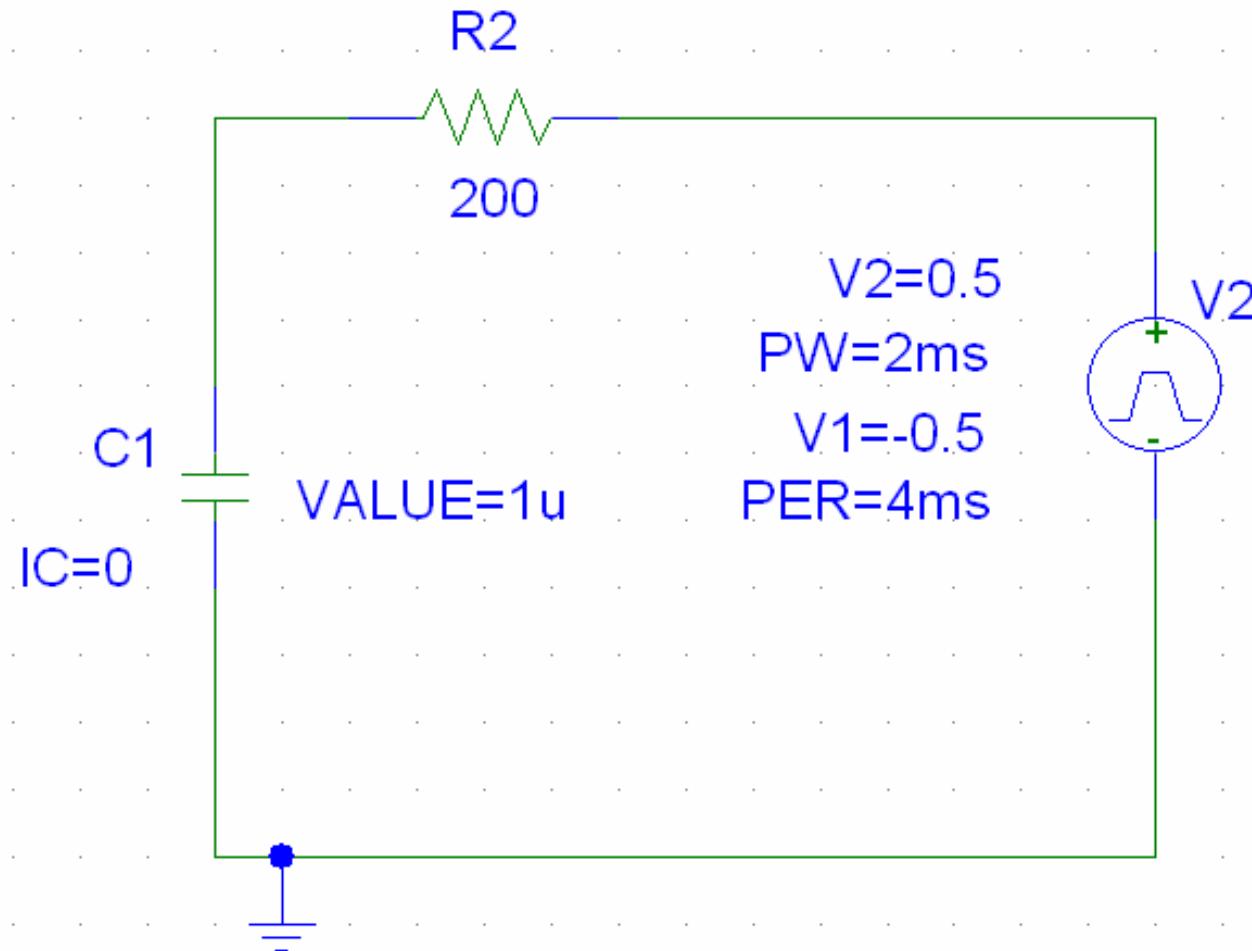
V1 : lowest value
V2 : highest value
Tr : rising time
Tf : falling time
Pw : Pulse width
Per: Period

V1 = -1
V2 = 1
Tr = 0.5ms
Tf = 0.5ms
Pw = 1us (actually 0)
Per= 1ms

Square Source: VPULSE

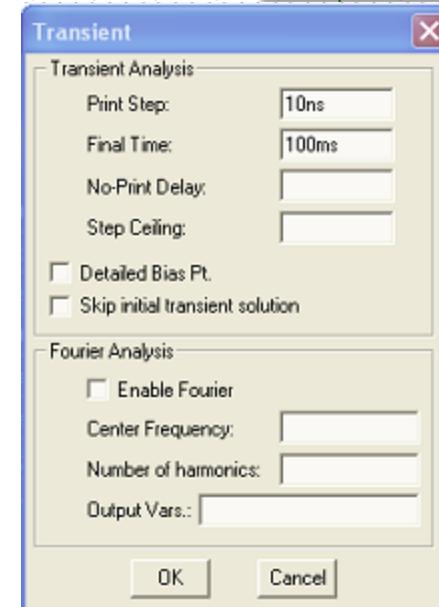
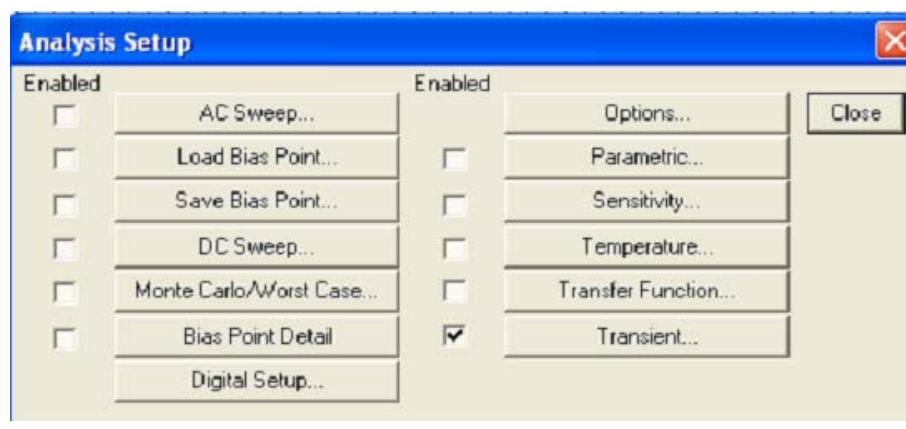
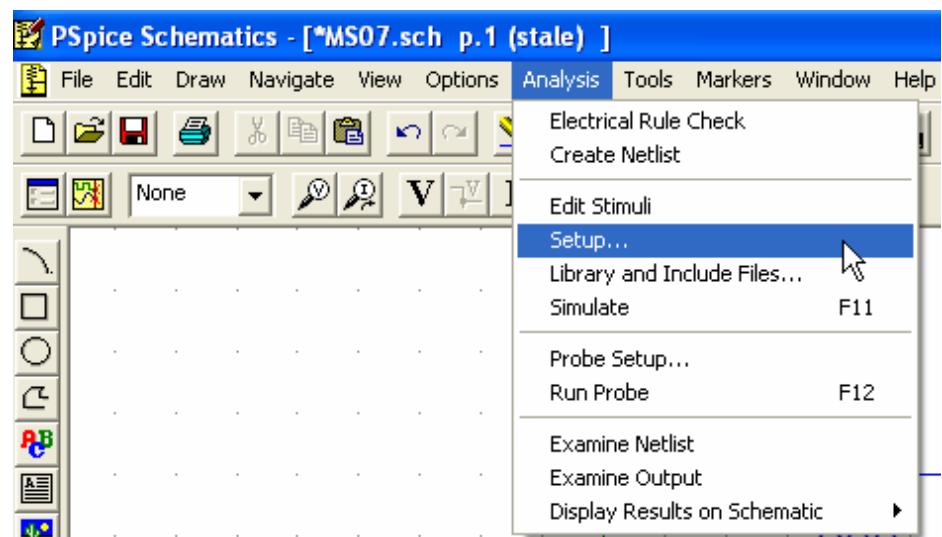


RC Circuit Example



Transient Analysis: Set up

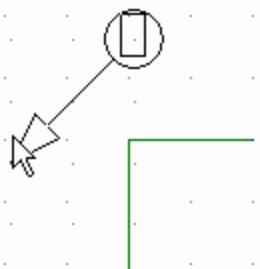
- Menu>Analysis>Setup
- Click on the Transient tab
- Print Step 10ns
- Final Time 10ms



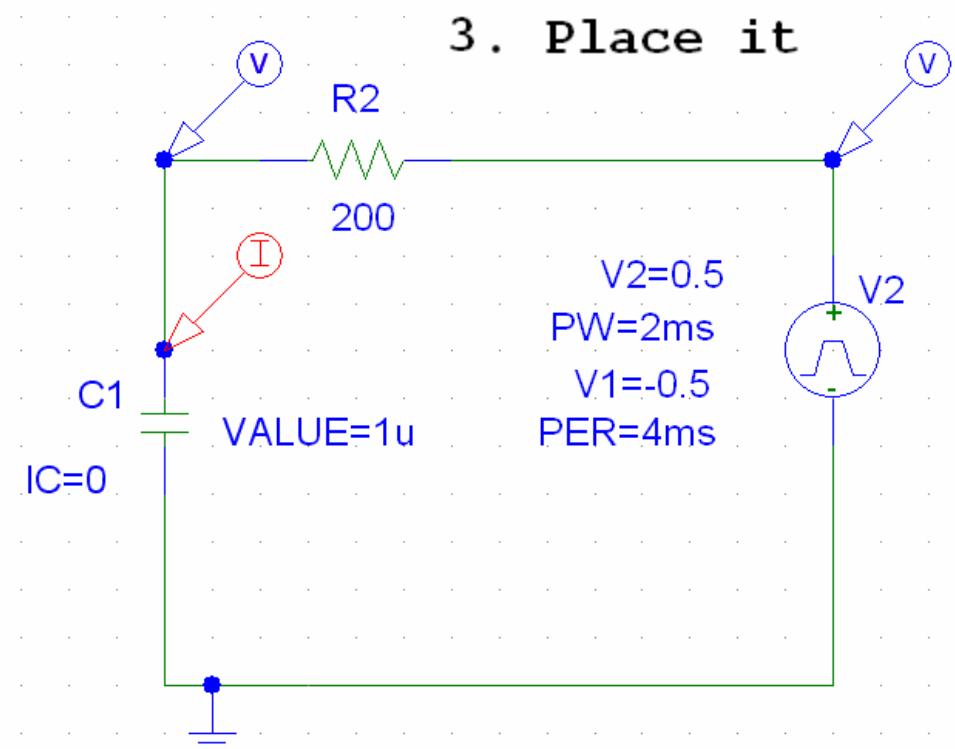
Transient Analysis: V & I Markers



2. Drag it



1. Click and Release



3. Place it

Simulate it

