Voltage source with pulse train of exponentials
vpulseexp

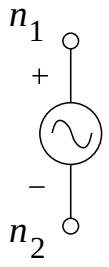

Figure 1: Independent Voltage Source Element.

Form:
`vpulseexp:`⟨`instance name`⟩ n_1 n_2 ⟨`parameter list`⟩
n_1 is the positive element node,

n_2 is the negative element node.
Parameters:

Parameter	Type	Default value	Required?
v1: Initial value (A)	DOUBLE	0	no
v2: Pulsed value (A)	DOUBLE	0	no
td: Delay time (s)	DOUBLE	0	no
tr: Rise Time (s)	DOUBLE	0	no
tf: Fall Time (s)	DOUBLE	0	no
pw: Pulse width (s)	DOUBLE	0	no
per: Period (s)	DOUBLE	0	no

Example:
```
vpulseexp:vsignal 8 0 v1=0.1 v2=0.8 td=1ns tr=0.5ns tf=1ns pw=2ns per=5ns tcf=1
```

Description:
The exponential transient is a periodic event with each pulse specified by two exponentials.

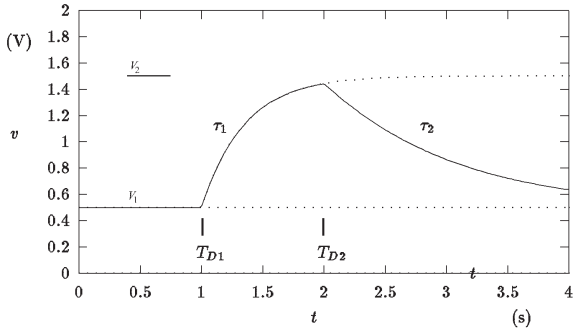

Figure 2: Voltage source transient exponential waveform.

Version:
2003.08.28

Credits:

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