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Triangle Wave Current Source: I_TRI

Symbol

Summary

This signal source is superseded and should be replaced with one of the following: AC_V for voltage sources, AC_I for current sources, or PORT_SRC for ports, with the Signal parameter set to this signal type.

The period for tone 1 sources is the inverse of the specified simulation frequency; see "Frequency Sweep Control" for details.

Parameters

Name	Description	Unit Type	Default
ID	Current source ID	Text	V1
AMP	Signal magnitude	Current	0 mA
TD	Time delay	Time	0 ns
WINDOW	Window type		DEFAULT[1]
Offset	Waveform offset (does not affect DC)	Current	0
DCVal	DC value (used for DC analysis)	Current	0

[1] Window type options are none (NONE), Lanczos (DEFAULT, ref [1]), Triangular (TRIANG), Hanning (HANN), Hamming (HAMM), Blackman (BLACK). See I_PLS for additional details on the WINDOW parameter.

NOTE: AWR® simulators add some series resistance to this element during simulation. This may affect results if injecting current into a large resistance. To change the value of the resistance, choose **Options > Default Circuit Options** to display the Circuit Options dialog box, then click the **AWR Sim** tab and under **Convergence Aids** specify the **Series source resistance**.

Layout

This element does not have an assigned layout cell. You can assign artwork cells to any element. See "Assigning Artwork Cells to Layout of Schematic Elements" for details.

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