

**Data Driven Piecewise Linear Source Function**General Form

```

PWL (TIME, PV)
.DATA datanam
TIME  PV
t1    v1
t2    v2
t3    v3
t4    v4
...    ...
.ENDDATA
.TRAN DATA=datanam
where

```

TIME parameter for a time value provided in a .DATA statement

PV parameter for an amplitude value provided in a .DATA statement

This source must be used with a .DATA statement that contains time-value pairs. For each  $t_n$ - $v_n$  (time-value) pair given in the .DATA block, the data driven PWL function outputs a current or voltage of the given  $t_n$  duration and with the given  $v_n$  amplitude.

This source allows you to use the results of one simulation as an input source in another simulation. The transient analysis must be data driven.

Example

```

*DATA DRIVEN PIECEWISE LINEAR SOURCE
V1 1 0 PWL (TIME, pv1)
R1 1 0 1
V2 2 0 PWL (TIME, pv2)
R2 2 0 1
.DATA dsrc
TIME    pv1    pv2
0       5v     0v
5n      0v     5v
10n     0v     5v
.ENDDATA
.TRAN DATA=dsrc
.END

```