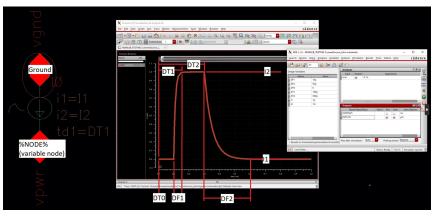
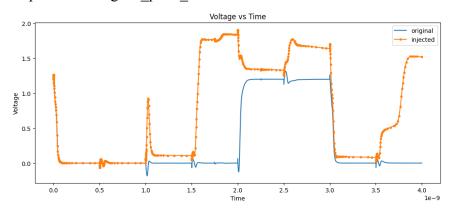
By: John Barney, Lucas Nichols

YouTube Demonstration of Program: https://youtu.be/oUOrty9FYrY

Double Exponential Current Source:



Node "I16.int1" upset in "scc9gena parts dfr" netlist:



Inputs to program to generate upset:

```
NETLIST
OUTPUT_NODE
                                                                                                                                           # STRING : setting template file
# STRING : node that is set as output
# STRING : node to take reference from for voltage
# STRING IN SPECTRE NOTATION : how long transient test is run
 TRAN TIME
CURRENT_INIT
CURRENT_STOP_START
 CURRENT STOP INCR
                                                    = 0.000000
DELAY_TIME_STOP
DELAY_TIME_INCR
                                                   = 0.0000000011
= 0.0000000000
                                                                                                                                           # %DF1% : Damping Factor on rising edge
# %DF2% : Damping Factor on falling edge
 DAMPING FACTOR RISE
                                                    = 0.000000000001
 DAMPING_FACTOR_FALL_STOP
DAMPING_FACTOR_FALL_INCR
                                                   = 0.00000001500
= 0.0000000000000
 THRESHOLD_AFTER_TIME
                                                   = DELAY_TIME_START
= 0.000000005
 TIME_INDEX
```