

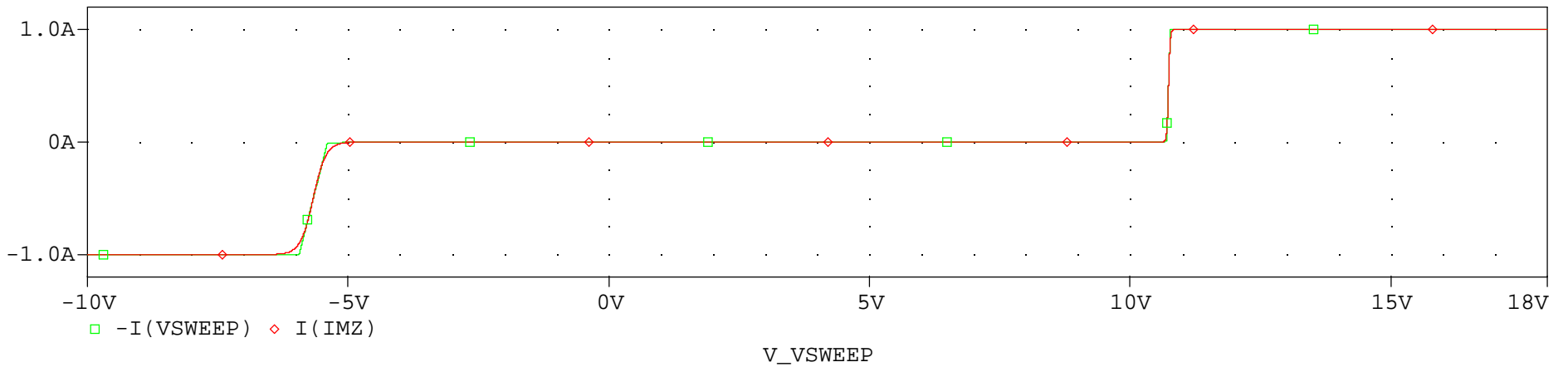
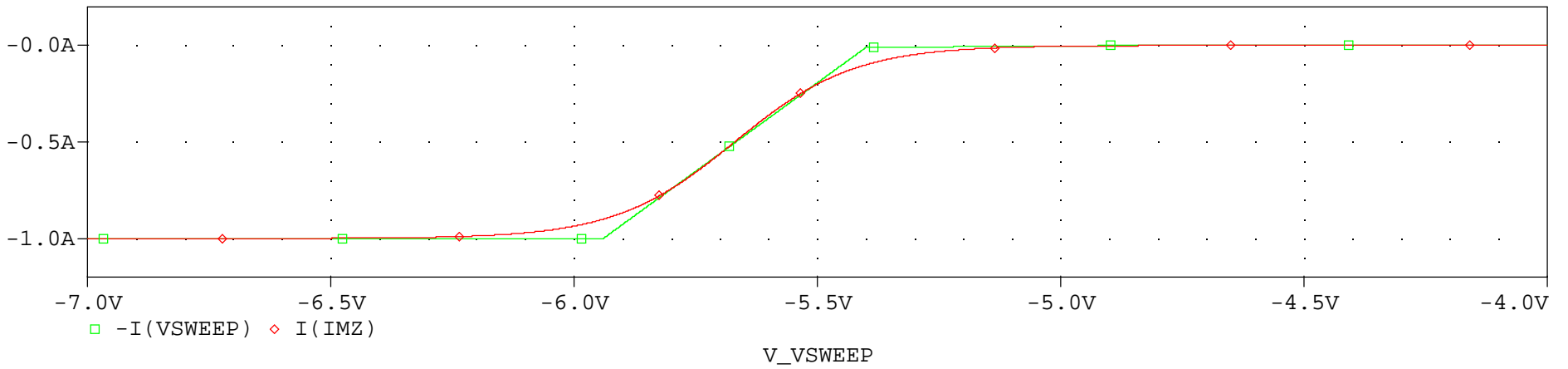
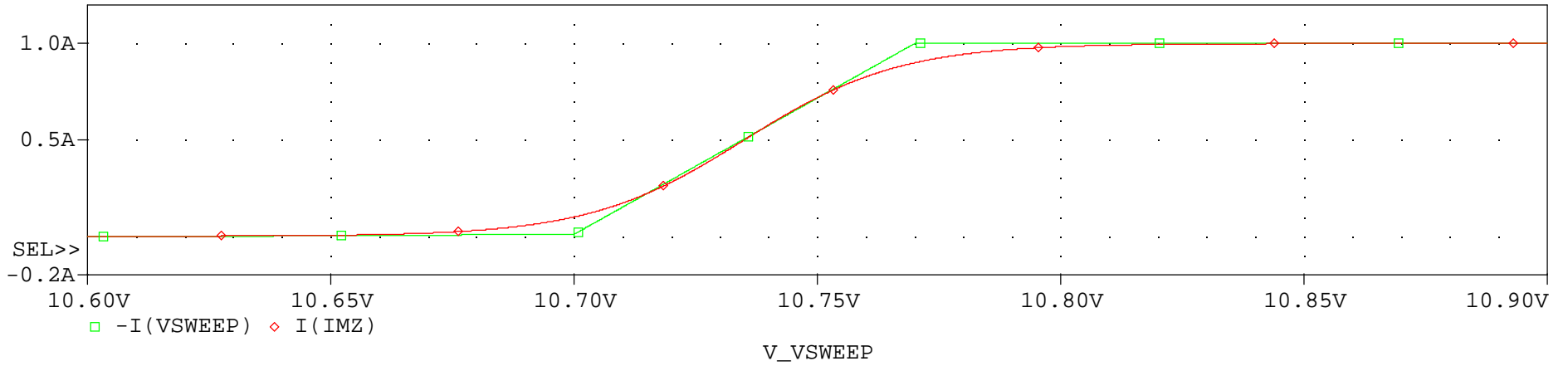
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Title:  
 Converting TABLE to TANH... Modified For Breakpoint Entry

Size A	FileName: D:\Projects\LTspiceToolDev\TC4429_Input_Modeling_2.sch	REV A
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June 21, 2011, 10:30 AM

Sheet 1 of 1



```
* D:\Projects\LTspiceToolDev\TC4429_Input_Modeling_2.sch
```

```
* Schematics Version 15.7.0  
* Tue Jun 21 11:02:32 2011
```

```
** Analysis setup **  
.DC LIN V_VSWEEP -10 18 100u  
.OPTIONS ITL1=1500  
.OPTIONS ITL2=2000  
.OPTIONS ITL4=1000  
.OPTIONS STEPGMIN  
.OP
```

```
* From [PSPICE NETLIST] section of C:\OrCAD\OrCAD_15.7i\tools\PSPICE\PSPICE.INI:  
.lib "C:\PSPICE\SymbolLib\mylib.lib"  
.lib "C:\PSPICE\SymbolLib\nom.lib"
```

```
.INC "TC4429_Input_Modeling_2.net"
```

```
.PROBE V(*) I(*) W(*) D(*) NOISE(*)
```

```
.END
```

\* Schematics Netlist \*

.EXTERNAL BIDIRECTIONAL INPUT  
.EXTERNAL BIDIRECTIONAL INPUTA

```
V_VSWEEP          INPUT 4 0V
E_E1              N_1 4A INPUT 4 1
G_G3              3 1 TABLE { V(3,1) }
                  + ( ( (-770M,-1.00) (-700M,-10.0M) (-630M,-10N) (0,0) (20.0,10N) ) )
C_C1              4 1 38pF
R_R1              1 4 2Meg
R_R2              1A 4A 2Meg
C_C2              4A 1A 38pF
G_G4              1 4 TABLE { V(1,4) }
                  + ( ( (-5.94,-1.00) (-5.4,-10.0M) (-4.86,-10N) (0,0) (20.0,10N) ) )
VCON_TAG2        INPUT 1 0
V_V1              3 0 +10V
VCON_TAG4        0 4A 0
VCON_TAG1        0 4 0
V_IMZ            N_1 INPUTA 0
V_V3              3A 0 +10V
VCON_TAG3        INPUTA 1A 0
G_G4A            1A 4A VALUE { (0--1)/2*TANH(1.0986/{ (-5.4--5.94)/2})*(V(1A, 4A) -
+ { (-5.4+-5.94)/2}))+ (0+-1)/2 }
G_G3A            1A 3A VALUE { (1-0)/2*TANH(1.0986/{ (770m-700m)/2})*(V(1A, 3A) -
+ { (770m+700m)/2}))+ (1+0)/2 }
```