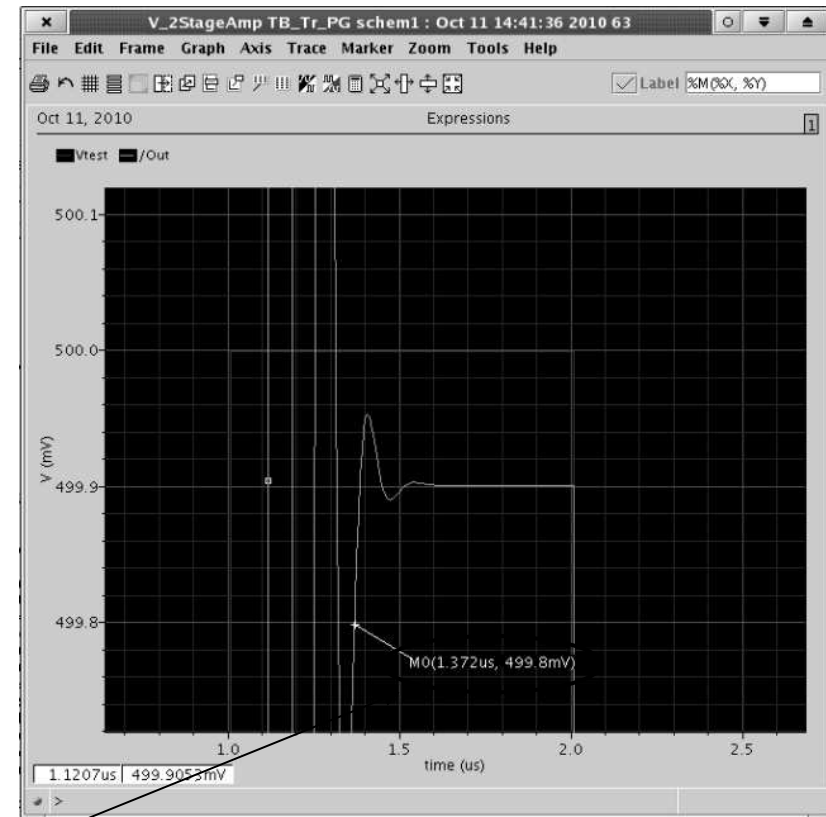
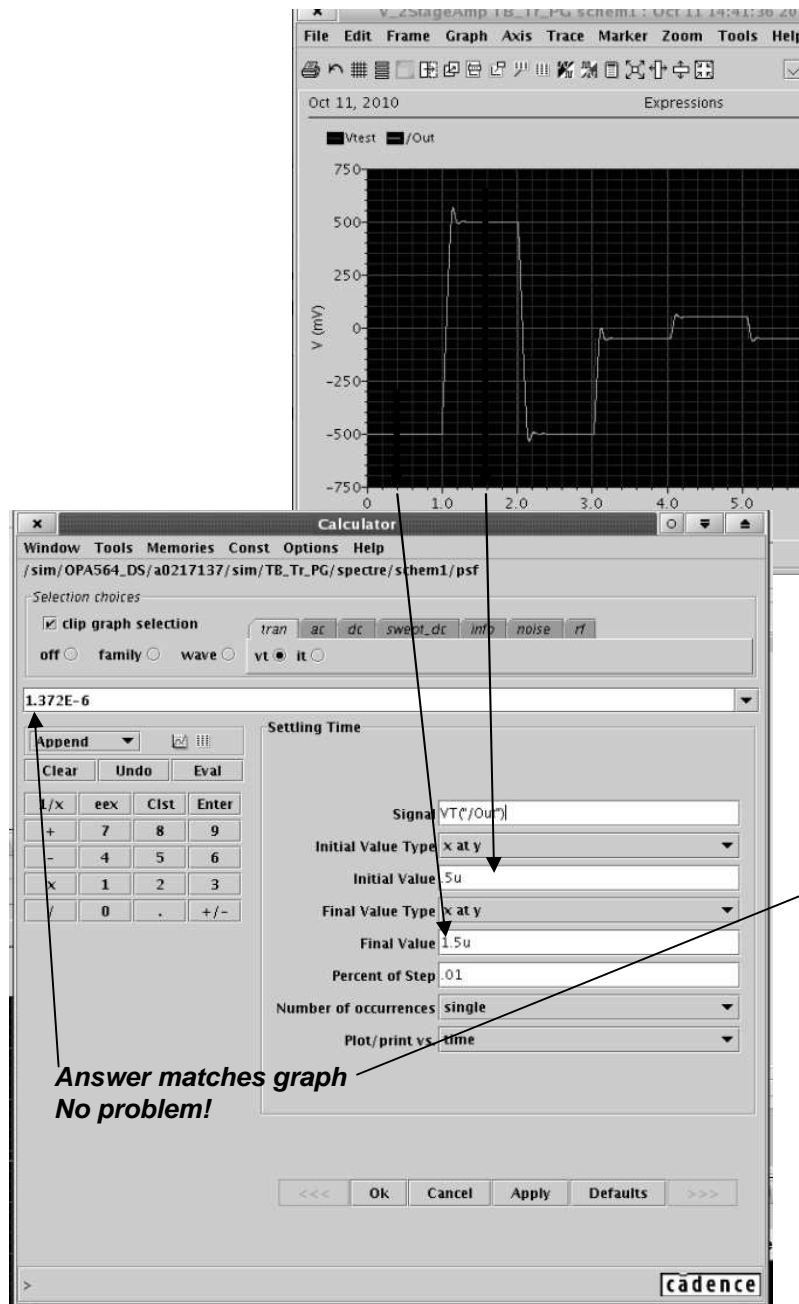


Problem: “settling time” function does not give correct answer for a signal with more than 1 step.

This happens even after setting the initial and final values such that they bound the step of interest.

# Settling Time of first pulse



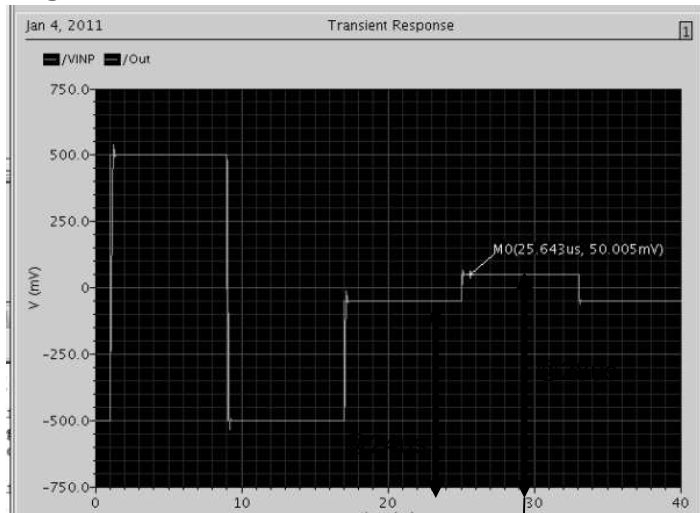
Calculator function:  
`settlingTime(VT("/Out") .5u t 1.5u t 0.01 nil "time" )`

Signal of interest

Range in x: 0.5u à 1.5u

Percent: 0.01%

# Settling Time of second pulse

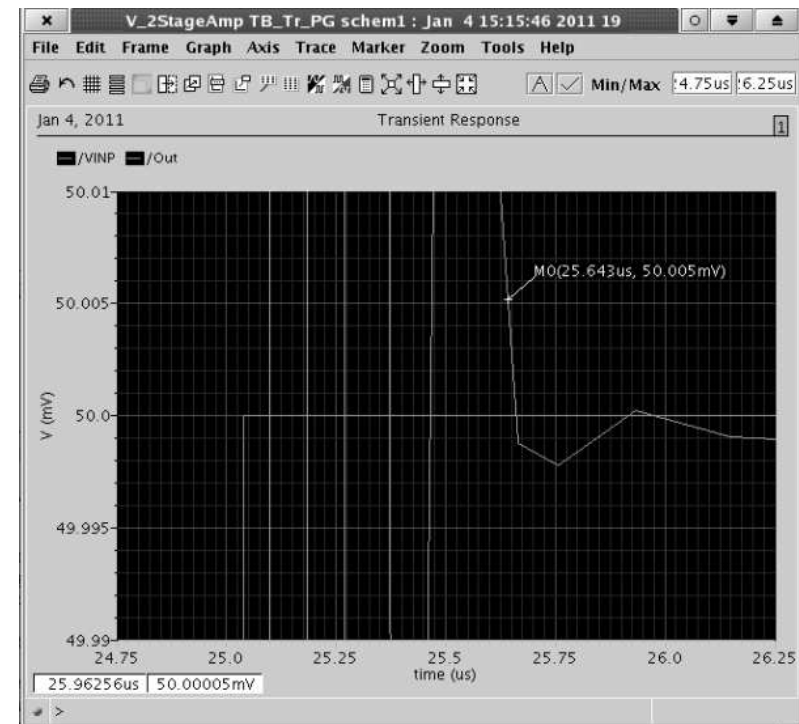


Calculator window showing the settling time calculation. The input is 25.63E-6. The Settling Time parameters are:

- Signal: VT("/Out")
- Initial Value Type: x at y
- Initial Value: 24u
- Final Value Type: x at y
- Final Value: 28u
- Percent of Step: .01
- Number of occurrences: single
- Plot/print vs. time

Buttons: Append, Clear, Undo, Eval, 1/x, eex, Clst, Enter, +, -, x, /, 7, 8, 9, 4, 5, 6, 1, 2, 3, 0, ., +/-, <<<, OK, Cancel, Apply, Defaults, >>>

- Answer is not correct, it is off by 25us!
- Subtract the 25us and settling time is correct ~ 630ns



(settlingTime(VT("/Out")) 2.3e-05 t 3.3e-05 t 0.01 nil "time") - 25u)