EGR 272 Circuit Theory II File: AC Analysis - Transients.opj

4

AC Circuits - Transient Analysis

Purpose: To perform a transient analysis of the circuit below in order to graph three cycles of the source and capacitor voltages.

Analysis type: Transient. Since T = 1/f = 1/1 kHz = 1 ms, a transient analysis will be performed from 0 to 3ms in order to show three cycles.



To display a node value, double-click on the wire, then right-click on the Name, and choose Display and pick Value Only as the Display Format.

4

5

Edit attributes of parts as follows: 1) If the attribute appears next to the part, double click it and then change its value 2) If the attribute does not appear next to the part, double click on the part, find the desired attribute, right click on it and select DISPLAY. Then indicate what Display Format is desired. Once the attribute has been displayed, double-click on it and change the value.

							А	
Title	<title></title>							
Size A	Document Number <doc></doc>					Rev <rev< td=""><td>۰Ce</td><td>ode></td></rev<>	۰Ce	ode>
Date:	Tuesday, January 25, 2000	Sheet	1	of	1			
	2			1			· .	

** circuit file for profile: Transient







Date: January 25, 2000

Simulation Settings - Transient								
Simulation Settings - Transient General Analysis Analysis type: Time Domain (Transient) Options: General Settings Monte Carlo/Worst Case Parametric Sweep Temperature (Sweep) Save Bias Point Load Bias Point	Libraries Stimulus Options Data Collection Probe Window <u>B</u> un to time: <u>3ms</u> seconds (TSTOP) <u>S</u> tart saving data after: <u>0</u> seconds <u>I</u> ransient options <u>Maximum step size:</u> <u>3us</u> seconds <u>Maximum step size:</u> <u>3us</u> seconds <u>S</u> kip the initial transient bias point calculation (SKIPBP)							
	OK Cancel Apply Help							

