Carlen Roberta 74 "Circuits Step Resp BN-01 11/28 Experment 1 we have doing this experiment to observe how frequency affects voltage on the oscillope. we observe (to the left) on the oscillope. The max val is 2V. At a higher frequency the lines to beyond the pixel limit of the ch2 oscillope. Atal lower frequency the Ch1 curve stretches to almost a Hat Ime across the screen. VR(+) We expect VR(1) to look like (to the left) 1 Experiment experiment to further investigate Welan doing this waveforms or an oscillope. What we see below matches our previous prediction. we observe 8/25 reading on cursor 1 when channel I drops from 2V to 1v, and a 4724s reading on cusar 2 when channel 2 drops from 2V to 1V. We measure a fine constant 1.443.8.10-6=1.15.10-5s, compared to our theoretical time constant ch1 1200s. 9.9.10-9, F=1.19.10-85. The time constant will decrease as 1 A decreases, and increase as C increases. The circuit will charge/discharge Paster as the HIML constant decreases 



