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1 % Sounak Ghosh
2 % 9/28/19
3 % ECE 202 - Fall 2019 - MATLAB Exercise M4
4 % (b) Shifted sinusoid
5
6 clear % clears all variables in the workplace; avoids common errors
7 clc % clears all previous outputs in the command window(s)
8
9
10 t = linspace(-5,5,401); % -5 to 5s, needed for plot
11 v = 4*cos(3*(t - 2)); % function for Shifted sinusoid
12 plot(t,v,'r'); % plot of time vs. g(t), with a red line
13 axis([-inf inf -6 6]); % shifts the vertical axis to be -6 to 6.
14 title('ECE 202, Exercise M4, part (b): Shifted Sinusoid'); % Plot title
15 xlabel('time t (s)'); % x axis label
16 ylabel('g(t)') % y axis label
17
```