

Homework Set 2

Same as Problem done in Chapter 3 but use Gilroy 2 Earthquake data. In addition, find CAV given in Equation 3.19.

Make a table summarize your results and compare with the values in the textbook.

	Textbook		Mathcad	
	Gilroy 1	Gilroy 2	Gilroy 1	Gilroy 2
Peak Acceleration				
Peak Velocity				
Running Sum				
Simpson's Rule				
Peak Displacement				
3-Cycle (max Accel)				
Predominant Period				
V_{\max} / a_{\max}				
$2\pi V_{\max} / a_{\max}$				
Td				
a_{rms}				