

1 A Triangle Wave and Your Circuit

Suppose a driving voltage has the form of the triangle wave in the previous problem and is applied to the series LCR circuit you studied in the lab. We'd probably call the amplitude V_0 in this case. Predict (sketch), the waveform that you would measure across the resistor if the period of the triangle driving voltage were approximately 0.125 ms . Discuss your prediction, with the aim of explaining to an incoming PH424 student. I am not requesting a long calculation, but rather a succinct, mostly qualitative discussion, with (semi)quantitative bits where necessary.