

HW#5 Impulse trains in time domain and freq domain

#1 Explain Eq (1.5.10) in the page 33 of the text book (written by Orfanidis).

(a) Read [CTFS: Continuous Time Fourier Series (B.pdf)] of the following site
http://en.wikiversity.org/wiki/The_necessities_in_DSP

(b) Find Fourier Series Coefficient of the impulse train $p(t) = \sum_{k=-\infty}^{+\infty} \delta(t - nT_s)$

(c) Find the Fourier Series expansion of $p(t)$.

(d) Explain the result of HW#2 that are related to (b) and (c).