# Errors in published version of Principles of Digital Communication

The following errata have been found since the book went to press. This will be kept up to date as I find new errors and I would be appreciative of any help from readers.

Robert Gallager, 3/20/08

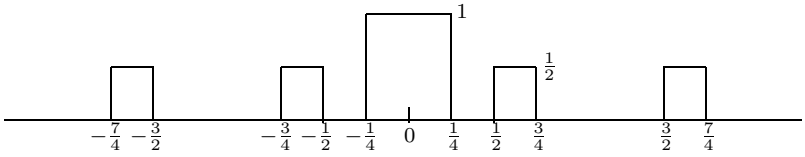
p171, last eqn of in proof of Plancherel 1 should be —

$$\lim_{A\to\infty} \|\hat{\boldsymbol{u}} - \hat{\boldsymbol{u}}_A\| = 0$$

p175, eqn 5.38: The condition on the upper part should be — $\frac{-2n-1}{2T} < f \leq \frac{2n+1}{2T}$

p180, Exercise 5.16 part (c): The last sum in the equation should be — $\sum_{m\geq A} 2m^{-1-\varepsilon}$.

Figure 6.12 should be as follows —




p251, Eq. (7.74) should be —

$$f_{\boldsymbol{Y}}(\boldsymbol{y}) = \frac{1}{\pi^n \det(\mathsf{K}_{\boldsymbol{Y}})} \exp(-\boldsymbol{y}^\dagger \mathsf{K}_{\boldsymbol{Y}}^{-1} \boldsymbol{y}).$$

p266, Exercise 7.10 (b): Add the condition — for all $m \neq k$ — to the clause — if $\mathsf{E}[X_k X_m^*] = 0$.

p391, Exercise 9.2, first line, change — an assumption to — to — approximating