

Errata in *Principles of Digital Communication:* *A Top-Down Approach*

The following is a list of errors and typos, last updated on September 28, 2016. I would appreciate to know of typos not listed below. They may be sent to me at bixio.rimoldi@epfl.ch

Important Ones:

- (a) p 171, “ $\psi(t) = \sqrt{1/T} \text{sinc}(\frac{1}{T})$ ” should read “ $\psi(t) = \sqrt{1/T} \text{sinc}(\frac{t}{T})$ ”
- (b) p 224, Exercise 6.3: “... $\hat{b}_1, \dots, \hat{b}_4, 1, 1$, knowing that b_1, \dots, b_4 are drawn...” should read “... $\hat{b}_1, \dots, \hat{b}_3, 1, 1$, knowing that b_1, \dots, b_3 are drawn...”
- (c) p 277, Exercise 7.6: Part of the text is missing. The text preceding item (a) should read “Figure 7.16 shows a toy passband signal. (Its carrier frequency is unusually small with respect to the symbol rate $1/T_s$.) Suppose that the horizontal time scale is 1 ms per square and the vertical scale is 1 unit per square. Specify the three layers of a transmitter that generates the given signal, namely the following.”

Minor Ones: (These should not affect comprehension)

- (a) p 75, Exercise 2.2d: “choses” should read “chooses”
- (b) p 90, Exercise 2.34: “chose” should be “choose”
- (c) p 92, Exercise 2.37: in expression (2.44), “ $f_{XY}(x, y) =$ ” should be “ $f_{X,Y}(x, y) =$ ”