

## Errata

R. E. Ziemer and W. H. Tranter, *Principles of Communications*, 6th ed., Wiley, 2010

1. p.83, Eqn.(2.280): “ $\hat{x}(t) = -x(t)$ ”

Should be: “ $\hat{x}(t) = -x(t)$ ”

[4<sup>th</sup> Ed: p.95, Eqn.(2.257)]

2. p.131, Eqn.(3.70): “ $x_c(t) = A_c[\varepsilon_1 \cos[2\pi(f_c - f_1)t] + (1 - \varepsilon_1) \cos[2\pi(f_c - f_1)t]$   
 $- 0.4\varepsilon_2 \cos[2\pi(f_c - 2f_1)t] - 0.4(1 - \varepsilon_2) \cos[2\pi(f_c - 2f_1)t]$ ”  
 $+ 0.9\varepsilon_3 \cos[2\pi(f_c - 3f_1)t] + 0.9(1 - \varepsilon_3) \cos[2\pi(f_c - 3f_1)t]$ ”

Should be: “ $x_c(t) = A_c[\varepsilon_1 \cos[2\pi(f_c + f_1)t] + (1 - \varepsilon_1) \cos[2\pi(f_c - f_1)t]$   
 $- 0.4\varepsilon_2 \cos[2\pi(f_c + 2f_1)t] - 0.4(1 - \varepsilon_2) \cos[2\pi(f_c - 2f_1)t]$ ”  
 $+ 0.9\varepsilon_3 \cos[2\pi(f_c + 3f_1)t] + 0.9(1 - \varepsilon_3) \cos[2\pi(f_c - 3f_1)t]$ ”

[4<sup>th</sup> Ed: p.157, Eqn.(3.70)]

3. p.149, Line 12, Example.3.7: “40/5=8”

Should be: “40/8=5”

[4<sup>th</sup> Ed: p.181, Eqn.(3.123)]