**Corrections to Electric Machinery Fundamentals, 4th Ed., by Stephen J. Chapman**

*Note that there are several printings of this edition and not all of the corrections given below are in all printings.*

**App. A:**
Page 682, Fig. A-1, (a). Note that the author uses the $\sin(\omega t + \text{angle})$ to define the complex phasor; the more commonly used approach is to use $\cos(\omega t + \text{angle})$ which I used in class and will use for EE 341.

**Chap 1:**
Page 25, Ex. 1-5, solution of (a); $B = 0.012 / 0.015 \ NOT \ B = 1.012 / 0.015$.
Page 45, 2\textsuperscript{nd} line; should be “$V_B = \ldots$” not “$VB = \ldots$”
Page 63, Fig. P1-14, $V = 120 \ @ \ 0$ degrees.

**Chap 2:**
Page 122, Eq. 2-89 should be $\frac{V_{LP}}{V_{LS}} = \frac{a}{\sqrt{3}}$
Page 144, Prob. 2-2; two values for $R_s$ are given, the 2\textsuperscript{nd} one should be $X_s$, i.e., $R_s = 0.05 \ \Omega$ and $X_s = 0.06 \ \Omega$.
Page 144, Prob. 2-3; for the S.C. test, if the source is on the high voltage side (230 V), then the S.C. test current should be 4.35 amps (= 1000 / 230).

**Chap. 5:**
Page 344, Prob. 5.28; infinite bus voltage should be 12.2 kV, the same as the generator voltage, NOT 16 kV.

**Chap. 6:**
Page 378, Prob. 1.13, third line; “…power supplied by the generator…” should be replaced by “….. power required by the motor …..”

**Chap. 7:**
Page 388, 3\textsuperscript{rd} line should be $n_m = (1 - 0.05)(1800 \ r/min) = 1710 \ r/min$; $s$ was incorrectly given as 0.95, though the result (1710 r/min) was a result of using $s = 0.05$. 