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

<u>App. A:</u>

Page 682, Fig. A-1, (a). Note that the author uses the Sin(wt + angle) to define the complex phasor; the more commonly used approach is to use Cos (wt + angle) which I used in class and will use for EE 341.

<u>Chap 1:</u>

Page 25, Ex. 1-5, solution of (a); B = 0.012 / 0.015 <u>NOT</u> B = 1.012 / 0.015.

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 2nd one should be X_s , i.e., $R_s = 0.05$ Ω 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).

<u>Chap. 7:</u>

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