# *Wind Energy Explained* Errata - Third Printing

This summarizes the known errata in Wind Energy Explained, still remaining as of the 3rd printing and any subsequent printings, up to the present time (12/29/05). As in previous printings, in many equations throughout the book, the printer has not been able to make limits of integration print properly. In particular, when the lower limit should be a "0", it often appears to be a "C". It is also possible that some of the other errata recognized in the first two printings (see previous errata) still exist.

Compiled by JFM 12/29/05.

p. 131
Equation 3.10.3 should read:

$$\alpha = \frac{-q_2 \pm \sqrt{q_2^2 - 4q_1q_3}}{2\,q_3} \qquad (3.10.3)$$

p. 224
The last sentence should read:

Slip is the ratio of the difference between synchronous speed $n_s$ and rotor operating speed $n$, and synchronous speed:

p. 228
Equation 5.4.25 should read:

$$P_{out} = I_S^2 (R_S + R) \qquad (5.4.25)$$

p. 283
Equation 6.6.11 should read:

$$\omega_{n,i} = \frac{(\beta R)_i^2}{R^2} \sqrt{\frac{EI}{\tilde{\rho}}} \qquad (6.6.110$$

p. 483
Equation 10.4.3 should read

$$L_P = 20\log_{10}(p/p_0) \qquad (10.4.3)$$

where $p$ is the instantaneous sound pressure and $p_0$ is a reference sound pressure (usually $2 \times 10^{-5}$ Pa).

p. 387

In both Figures 8.6 and 8.7, the conditions are for $\lambda = 4.0$