



List of Errata

Handbook of First Order Partial Differential Equations, Taylor & Francis, 2002 by A. D. Polyanin, V. F. Zaitsev, and A. Moussiaux

Page 48: Equation 8:

Was: dw/dx + [... - b^2 lambda(arctan x)^n] dw/dy = 0.

Correct: dw/dx + [... - b^2 lambda(arctan x)^n] dw/dy = 0.

Page 50: Equation 8:

Was: dw/dx + [... - b^2 lambda(arccot x)^n] dw/dy = 0.

Correct: dw/dx + [... - b^2 lambda(arccot x)^n] dw/dy = 0.

Page 117: Solution of equation 3:

Was:

w = { ... if a != 0, -beta/alpha + e^alpha b Phi(x(cx + 2d) - 2by) if a = 0.

Correct:

w = { ... if a != 0, -beta/alpha + e^alpha x/b Phi(x(cx + 2d) - 2by) if a = 0.

Page 117: Solution of equation 4:

Was:

w = { ... if a != 0, -beta/alpha + e^alpha b Phi((cy + d)e^-cx/b) if a = 0.

Correct:

w = { ... if a != 0, -beta/alpha + e^alpha x/b Phi((cy + d)e^-cx/b) if a = 0.

Page 209: Remove comma in front of dt in solution to equation 4.

Page 216: Subsection 8.6.4, solution to equation 4:

Was:

w = Phi(u1, u2) { ... },

Correct:

w = Phi(u1, u2) exp { ... },

Page 276: Footnote:

Was: Equations of the general form are discussed below in Subsection 12.2.4.

Correct: Equations of the general form are discussed below in Subsection 12.1.4.

Page 284: Equation (49):

**Was:**

$$H(x, y, \eta) = \int_0^\eta \varphi(\bar{\eta}) \bar{\eta} + xZ \left( \frac{y - \eta}{x} \right). \quad (49)$$

**Correct:**

$$H(x, y, \eta) = \int_0^\eta \varphi(\bar{\eta}) d\bar{\eta} + xZ \left( \frac{y - \eta}{x} \right). \quad (49)$$

Page 410: Item 2°, line 4 (equation):

**Was:**

$$\frac{\partial \Xi}{\partial C_m} + \frac{\partial \Xi}{\partial C_n} \frac{df(C_1, \dots, C_{n-1})}{dC_m} = 0, \quad \dots$$

**Correct:**

$$\frac{\partial \Xi}{\partial C_m} + \frac{\partial \Xi}{\partial C_n} \frac{\partial f(C_1, \dots, C_{n-1})}{\partial C_m} = 0, \quad \dots$$