

4 August 2003

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## **ERRATA—Soil Water Dynamics**

### Symbols

--p. xxii, viscosity. Delete “kinematic”

### Chapter 1

--p. 9, 2 lines below Eq. 1-15. Should be  $p_w = p_{w0}$

--Table 1-1. “Films in silts” should be “Films in slits”

### Chapter 2

--Table 2-1, footnote c.  $P(x)$  is the cumulative probability for a normal distribution (and is only defined obliquely in Chapter 1).

--p. 89, problem 22. Small “k” should be “K”

### Chapter 3

--Figure 3-4 legend. Add “ $-y(P)$ ” to give “ $y(P)-y(P)$ ”

--Eq. 3-143. Term on left side should be squared  $\rightarrow r_{1,2}^2$

--p. 129, 3 lines above Eq. 3-156. “column” should be “row”

### Chapter 4

--p. 138, below heading. table 2-5 (not table 2-3)

--p. 143, 2 lines above Eq. 4-15. Should be “g” and not “f”

--p. 150, line 8. Should be “figure 4-8B”.

--p. 183, legend of table 5-4. Should be “=  $K_s t_g (\mathbf{z}_s - \mathbf{z}_r)^{-1}$ ”

--Problem 11b. Should be (4-116) and not (4-17)

## Chapter 5

--Table 5-7, Internal nodes. Should be  $C_i = -\frac{K_{i+0.5,n}}{(\Delta z)^2}$

--Table 5-9, last line.  $-J_w$  should be  $-J_\infty$

--Figure 5-25. Curves labels on all three parts  $\rightarrow 0.06$  should be 0.08

--2 lines below (5-167). Residual value should be  $\rightarrow 0.246$

## Chapter 6

--table 6-2 heading. Units for  $K_s \rightarrow$ :  $\text{m s}^{-1}$

--p. 249, Table, line source, form 3. 2<sup>nd</sup> line equation should start with “-2” and not “+” to give “ $-2 \int_{Z+D}^{\infty} \exp[2(Z-Z')] \text{ etc.}$ ”

--table 6-4, For 2-D flow need a “-” sign to give  $\rightarrow J_z = \frac{\partial y}{\partial x} = -\frac{\partial f}{\partial x} + \mathbf{af}$

--p. 265, caption of Figure 6-14. Twice should be “nb\_type 3” (not bc\_type 3)

--p. 266, 7 lines from end. Needs a left parenthesis  $\rightarrow$  “..wettest region (0.3..”

--p. 272, title and again in first sentence  $\rightarrow$  should be disc tension infiltrometer (not disc tensiometer)

--p. 274, line 10. “0.44 m” and not “0.44 h”.

--p. 288, 3 lines from end. “..provides 6 values:”

## Chapter 7

--Figure 7-7 legend, next to last line. “set” should be “step”

--Eq. (7-200) is ok but is direct copy of (7-195)

--Eq. (7-69)-(7-73). Change all of the "Var" terms to "Var(z)". (This occurs 5 times.)

### References

--p. 370, next to last. "head" should be "heat" to give  $\rightarrow$  ".of heat in"