

ERRATA List no 1.

## Modeling Phenomena of Flow and Transport in Porous Media

by Jacob Bear

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UPDATED: 6.9.2018;

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p. 68, line after (1.4.28): change " $\Gamma$ " to " $\Gamma^E$ "

p.146, line 10: Change "are consider" to "consider"

p. 147, line 19 from bottom: change "macroscopic" to "microscopic"

p. 153, eqn. (2.4.11). change " $p_c$ " to " $p_c'$ "  $p_c'$  (i.e., add a prime on p)

p.173, line after (2.3.75): Remove "Young's!elasticitymodulus" (in italic fonts)

p. 200 in eqn. (3.3.9): the  $\Gamma$  (last term) should be boldface.

p.207, 4<sup>th</sup> line after (3.4.10), remove "not much"

p.269, in (4.2.2-5), change:  $(\mathbf{V}_f$  to  $\cdot(\mathbf{V}_f$

p.271 in (4.2.16), change:  $(\nabla p$  to  $\cdot(\nabla p$

p. 385, line 3 remove : "well as on interface"

p.393, line after (6.2.26), add comma after "in which"

p.462, , 5<sup>th</sup> line after (7.7.21), remove "not much"

In the entire Chapter 7, the dispersivity, as in " $a_L, a_T, a_{ijkl}, a_{TH}^V, a_{LV}^V$ " should be

changed to ,  $a_L, a_T, a_{ijkl}, a_{TH}^V, a_{LV}^V$  , etc.

p. 521 3rd line below the heading "A. The concept" Change: "part of it. Adheres to and accumulates" to: "part of it, adheres to and accumulates"

p.532 in (7.4.29) and (7.4.30): all H should be " $\tilde{\{CH\}}$ " as in (7.4.28).

Added error, 11.4.2018

p. 630, line 5 below figure: change: "as the macroscopic" to "as the microscopic".

Added error 17.4.2018

p. 468, 10 lines below (7.2.36): Erase "Another difference.....phenomenological law".

Added error 1.6.2018.

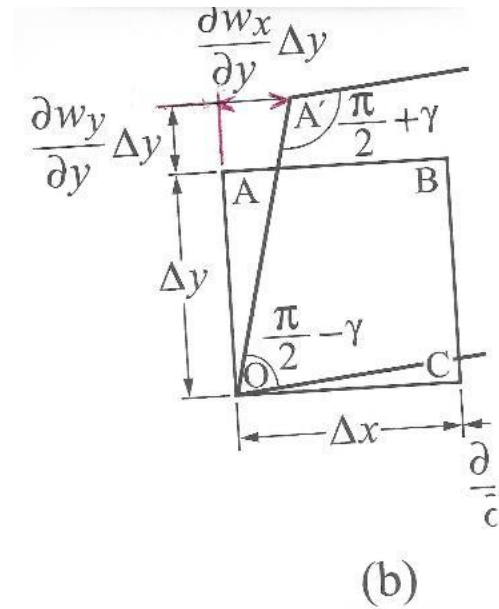
p. 191, line after (3.2.30): change "Stokes" to "Navier-Stokes"

p.75 line 12, change 1999 to 1991.

Added error 4.9.2018.

p. 141, Fig. 2.9.(b). The corrected elements are indicated in red of course, in the book, the entire figure is in black and white.

There are 3 changes (1) a vertical line segment, (2) a horizontal line segment, and a double-arrow line segment. They replace whatever was drawn there before.



Added errors 30.12.2018

P, 646: change  $F^*$  to:  $F^*$  defined in (9.3.5)

p. 197 change E to E, i.e. no phase change,

p. 376, eq. (6.1.9) change  $C_{an}$  to  $Ca_n$

p. 376, in line below eq. (6.1.9) change  $C_{an}$  to  $Ca_n$

p. 401, 5th line below (6.4.6) change (3.9.1) to (3.9.2)



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Bear, J.

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