

**Errata for “Partial Differential Equations”, AMS Press  
Second printing of Second Edition (2015)  
by Lawrence C. Evans**

These correct mistakes present in the second printing of the second edition.

Last modified: March 12, 2018.

**CHAPTER 1**

page 3, line -1: Change to “ $u_t + \sum_{i=1}^n (b^i u)_{x_i} = 0.$ ”

**CHAPTER 2**

**CHAPTER 3**

page 125, line 9: Change to “proof of Lemma 2”

page 132, line 5: Change “C.4” to “C.5”

page 150, line 10: Change “C.4” to “C.5”

page 151, line -7: Change to “ $v_{xx}^\epsilon$ ”

**CHAPTER 4**

**CHAPTER 5**

page 266, line 17: Change “C.4” to “C.5”

**CHAPTER 6**

**CHAPTER 7**

page 449, line -5: Change  $U_T$  to  $U \times (0, \infty).$

**CHAPTER 8**

page 473, line -7: Change to “... is unique, provided  $I[u] < \infty.$ ”

page 478, line 3: Change to “... is unique, provided  $I[\mathbf{u}] < \infty.$ ”

page 515, line 12: Change  $DL_p$  to  $D_p L.$

page 528, line 12 Change to “349-381”

**CHAPTER 9**

**CHAPTER 10**

To avoid notational confusion, make the following changes in the proof of Theorem 3:

page 603, line -5: Change to " $x = x_0 - hw$  "

page 603, line -4: Change  $v$  to  $w$

page 603, line -3 Change to " $x_0 - hw$  " and " $L(w)$ "

page 603, line -1 Change to " $Dv(x_0, t_0) \cdot w - L(w)$ "

page 604, line 1 Change  $v$  to  $w$

page 604, line 4: Change  $v$  to  $w$

page 604, line -11: Change to " $x_1 = x_1(h)$  "

**CHAPTER 11****CHAPTER 12****APPENDICES, INDEX, REFERENCES**

page 711, line 6: Change "nonnegative" to "nonnegative definite"

Thanks to T. O. Sorensen, Duc Lam Duong, Tang Yao and Zhiping Xu for finding mistakes and suggesting corrections.

Please let me know about any other errors you find, at evans@math.berkeley.edu.