

**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: Jan 14, 2020.

CHAPTER 1

page 2, line -13: Add “Let k be a positive integer.”
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}^ϵ ”
page 156, line 6: Add “Assume $L = F^*$ is smooth and uniformly convex.”

CHAPTER 4

page 195, line 1: Change to “ $h, g, Dg \in L^2$ ”

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_pL .
 page 528, line 12 Change to “349-381”

CHAPTER 9

page 544, line -9: Should be “ $= -\lambda b(Du)$ ”

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, Zhiping Xu, Shibin Dai, Nasim Maddah, Ricardo Ribeiro and Jan Sbierski for finding mistakes and suggesting corrections.

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