

**CALCULUS AND ANALYSIS IN EUCLIDEAN SPACE:  
CORRECTIONS**

February 28, 2018

**Chapter 1**

- Page 16: On line 7, “polynomial growth” should be “exponential growth”.

**Chapter 4**

- Page 135: The second display should say “ $\psi(h) = h_i$ ”, not “ $\varphi(h) = h_i$ ”.
- The insistence on the formula  $f'' = (f'^T)'$  in section 4.7 is silly. Simply view  $f'$  as a mapping to  $\mathbb{R}^n$ , each of whose outputs is an ordered list rather than specifically a row vector.
- Page 188: The left side of Figure 4.12 has different horizontal and vertical scales; scaled correctly, it would show the two vectors at right angles.

**Chapter 6**

- Page 268: Exercise 6.2.7 should say that upper sums for  $f$  can be bigger than *lower* sums for  $g$ .

**Chapter 9**

- Page 474:  $\Delta_{1,b}^3$  should be  $\Delta_{3,b}^3$  in two places toward the bottom of the page.