Dror Bar-Natan: Classes: 2004-05: Math 157 - Analysis I:

Comments on Spivak's Book

web version:
http://www.math.toronto.edu/~drorbn/classes/0405/157AnalysisI/SpivakComments/SpivakComments.html

No book is perfect, and our excellent textbook is no exception. This page will grow to be a list of typos and other mistakes (mostly very minor) in Spivak's "Calculus" book (third edition). If you find anything, please let me know (electronic means preferred!), and I'll add your report. At the end of the year I plan to send this page to Spivak.

I should have started this two years ago, when I first taught using this book. I guess the few typos reported to me before October 2004 may be lost.

The format of the entries below is: (page number; date added to this list (d/m/y); credit; report).

- 49; 7/10/04; Gary Baumgartner; at the beginning of the third line of question 6, "$(x - x_i)$" should be "$(x - x_j)$".

- 171; 29/11/04; Roman Feiman and Jordan Myslik; on line 9, "$\cos x \cdot x$" should be "$\cos x \cdot \cos x$".

- 181; 8/11/04; Shay Fuchs; in problem 9, "$-\sqrt{3x}$" should be "$-\sqrt{3}x$".

- 260; 14/12/04; Richard Michael; on line -9, a factor of n is missing in the formula for $U(f, P_n)$.

- 267; 14/12/04; Richard Michael; on line 9, "new function f" should be "new function F".

- 321; 18/10/04; Dror Bar-Natan; the treatment of the irrationality of π is horrible. Should have been done after integration by parts, along the lines of http://www.math.toronto.edu/~drorbn/classes/0203/157AnalysisI/etc/PiIrrational.html.

- 350; 18/02/05; Keh-Harng Feng and Jordan Myslik; in exercise 7c, "$\sinh x \cosh x$" should be "$\sinh x \cosh y$".

- 370; 5/4/05; Jordan Myslik; in line 8, replace "$dx = \frac{1}{u}dx$" with "$dx = \frac{1}{u}du$".

- 431; 7/03/05; Dror Bar-Natan; in exercise 16 part (d), replace $f'(x)$ with $f'(a)$.

- 614; 18/10/04; Yan, Hao; in the solution of 7(a), should be $f(x) = (-A/B)x + (-C/B)$.

- 618; 10/11/04; Yan, Hao; in the solution of 1(v), "$[1+\sqrt{5}]/2$" should be "$[-1+\sqrt{5}]/2$".

- 647; 5/4/05; Jordan Myslik; the solution to 8(iii) is $c_i = (i + 1)a_{i+1}$ (not $(i + 1)a_i$).