

ERRATA: Here are the "typos" I have found in the lecture notes (if you find more, let me know please):

Complex Numbers:

Page 2: In the last expression for $z_1 z_2$, $x_1 y_2 - x_2 y_1$ should be $x_1 y_2 + x_2 y_1$.

Page 22: In the final lines, the 4s should be 2s.

Analytic Functions and Conformal Mappings:

Page 5: The picture toward the bottom of the page is incorrect. The branch cut is along $\theta = \alpha + \pi$.

Page 8: In the sixth line from the bottom, "defined" should be "continuous".

Page 21: Under the Figure, " $h_{xx} + h_{yy} = 0$ " should be " $h_{uu} + h_{vv} = 0$ ".

Series Expansions:

Page 9: "depend on the fact analogous" should be "depend on the fact *that* analogous".

Page 13: The "Note" at the bottom of the page refers to functions with an *isolated* singularity at z_0 .

Page 14: In line 4, "infinitely many a_n " should be "infinitely many *nonzero* a_n ".

Page 15: Exercise 57: The "e" should be an " e^{2z} " and the singularity is $z_0 = 1$.

Integral Theorems:

Page 25: In the Figure the curve labeled C should be labeled C_r .

Page 33: There is a k missing in the exponent on line 3. Also, the curve labeled C in the Figure should be labeled C_r .