

Visual Complex Functions: corrections of mathematical errors

p 26: In the last formula replace $AC - BD$ by $AD - BC$

p 37: Replace -1 in the denominators of (2.22) by $+1$, i.e.,

$$f(z) = (z - 1)/(z^2 + z + 1), \quad g(z) = (z - 1) \cdot (\bar{z}^2 + \bar{z} + 1)$$

p 65: In the text following formula (3.10) the coefficient c_k is assumed to be nonzero.

p 76: Above Figure 3.11 replace “for all z in the unit disk” by “for all z with $|z - 1| < 1$ ”.

p 78: In the caption of Fig. 3.14 replace z/n by nz , the same three lines above that figure and in the following line.

p 83: Below Figure 3.17 replace $\cos z - c \exp(iz)$ by $\cos z - c \exp(-iz)$.

p 88: Absolute values are missing in the displayed estimate after (3.39),

$$|b_1| = \frac{|a_1|}{|a_0|^2} \leq \frac{c}{|a_0|^2} \frac{1}{r}.$$

p 92: In formula (3.43) all n 's must be k 's.

p 109: Formula (3.60) has to be replaced by

$$f^{-1}(z) = \bar{c} \frac{z + cz_0}{1 + \overline{cz_0}},$$

and the correct last denominator in the next displayed formula is $\overline{1 - e^{-i\varphi} z_0}$. In the third line of the paragraph beginning “Conversely ...” replace $c = 0$ by $c = 1$.

p 120: In the last line above Figure 3.38 replace $0 < z < 1$ by $0 < z < 2$.

p 130: Interchange the left and the right picture of Figure 3.43.

p 152: Delete the spurious absolute value in equation (4.24).

p 167: Interchange the left and the right pictures in Figures 4.13 and 4.14.

p 282: The unit disk \mathbb{D} and the plane \mathbb{C} are topologically equivalent (homeomorphic).

p 304: In the line after (6.46) replace β_k by β_n .

p 305: In the line after (6.49) replace f'/f_0 by f'/f'_0 .

p 307: The right-hand side of formula (6.57) is $1/B(\alpha_1, \alpha_2)$.

p 315: On the right-hand side of Fig. 7.3 replace \mathcal{F} by \tilde{F} .

p 320: In the second line below Fig. 7.11 replace subtracting -1 by subtracting 1.

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