

Glimpses of Soliton Theory: Errata

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I am sincerely grateful to very careful readers for pointing out the following errors in my book, and also most embarrassed that so many errors remained in the final version.

➤ Page 39: The summation notation for the Navier-Stokes equations on page 39 is *humorously* incorrect. Obviously, the sum is supposed to be from $j = 1$ to $j = 4$; anyone who has used TeX can guess what went wrong. (Thanks to Andrew Hone for noticing this one.)

➤ Page 97: Anton Dzhamay pointed out that the τ -function in Example 5.2 was mistypeset, although you can easily figure out that it was supposed to say

$$\tau(x, t) = 1 + 3e^{2(t+x)} + e^{6(3t+x)} + 3e^{4(4t+x)}.$$

➤ Page 114: Example 6.1 should define $P(f)$ as $L(M(f))$ instead of $M(L(f))$. (Thanks again, Anton.)

➤ Page 217: Thanks to Paul Rigge (University of Michigan) for pointing out that Question 10 mistakenly refers to “the τ -function in part (c)” when it should say “the τ -function in part (b)”.

➤ Page 236: The second line should begin with Φ_k not Φ_2 . (The first subscript on the second line should be a k not a 2.)

➤ Page 282: Paul Rigge also noticed a problem in Project VII which refers to “Equation (7.48)” in the paper by Ascher and McLachlan. The relevant equation appears at the top of page 86 in that paper, but is not given an explicit number or name. (A partial explanation for this mysterious error involves noting that the same equation appears as Equation (7.48) in the textbook by Drazin and Johnson.)