CORRECTIONS TO SOME TYPOS

MAT260, SPRING 2016

Here is a list over some typos I've spotted in our textbook:

: p. 40 Second line in the computation of ξ_3: An h is missing.

: p. 40 4th line in the computation of y_{n+1}: The term $...b_3c_3^3...$ should read: $...b_3c_3^2$

: p. 44 Displayed equation middle of page: h missing in front of the summation.

: p.125 l.-3 "Then by (7.2)...", should be (7.4)

: p.126 The third displayed equation: For the sum in the middle it should be λ^j. (Not λ^i)

: p.127 equation (7.6): The Jacobian should be evaluated in $w^{[i]}$, not in $w^{[0]}$.

: p.173 Last equation: the first Φ_l at to the right of the equality sign should have a prime (Φ_l')

: p.179 Last equation, 1. line, 2. parenthesis on the right hand side should be squared. (See eq. (9.2))

: p.180 Displayed equation after (9.14): The first parenthesis is missing the term: $-fv$ (It pops up again in the next equation)

: p.181 Displayed equation in the middle of the page: Last Φ in first parenthesis on right hand side should be Φ_k. The first integral on rhs is missing a term δ_l. (This is the one corresponding to γ_l of equation (9.7))

: p.214 The third displayed equation. The factor before the summation should be $1/N$ not $2/N$. and the very last term should have a minus in the subscript.

: p.214 First line after equation (10.11). "We first evaluate h...", should be f.

: p.216 Not exactly a typo, but esthetically bad. As $w_N^N = 1$ the last row in the matrix you take the determinant of is of course (1 1 .... 1) If you do row permutation in the matrix by putting this row at the top and moving the rest down one step, the determinant may change sign, but nothing else changes. Then you would have exactly the matrix in (10.14)

: p.217 Equation (10.16): The summation should be over l (not j).

: p.221 The last equation. In the first of the three righthandsides. Should start with a minus. Also the last term of the integrand should be the complex conjugate of $v(x, y)$ (That is why you get $-m$ and $-j$ in the exponent in the next line)

If you come across any additional errors, report them to me and I will update this list.