

Misprints in

“Introduction to computation and modeling for differential equations”

Lennart Edsberg

August 15th 2008

pg 3: last line but one: *boundary conditions* conditions SHOULD BE *boundary conditions*

pg 27: line 7 from bottom : enery SHOULD BE energy

pg 45: line 7: propagates SHOULD BE propagate

pg 62: line 6 from bottom: $\delta \mathbf{p}^{(i)}$ SHOULD BE $\delta \mathbf{p}^{(i)}$ (no space between δ and $\mathbf{p}^{(i)}$)

pg 73: line 6 from bottom: (4.20b) SHOULD BE (4.20a)

pg 77: line 1: (4.24) SHOULD BE (4.32)

pg 80: line 2 from bottom: (see Figure 4.9) SHOULD BE (see Figure 4.7)

pg 110: Figure 6.4: On the upper boundary the formula SHOULD BE

$$-\kappa \frac{\partial T}{\partial r}(z, R, t) = k(T(z, R, t) - T_{out})$$

pg 119: line 5 from botom: is isolated SHOULD BE is termally isolated

pg 131: formula (7.9) last term SHOULD BE:

$$\frac{\partial^2 \phi}{\partial \varphi^2}$$

i.e. an upper case 2 is missing after φ

pg 135: line 2 from bottom (above the figure): (7.3) SHOULD BE (7.21)

pg 136: Figure 7.6: change sign to all numbers, i.e. SHOULD BE -1,-1,-1,-1,4 inside the circles.

pg 153: Formula (8.19): $\frac{2k}{\rho cR}$ SHOULD BE $\frac{2k}{\rho CR}$

pg 156: line 5: Chapter 2 SHOULD BE Chapter 3

pg 178: In the table in Exercise 9.4.2 there is one column missing: That column can be the last column and contain k in the first row and $[J/(K \cdot m^2 \cdot s)]$ in the row below.

pg 214: Reference 2) SHOULD BE

<http://www.maths.dundee.ac.uk/ftp/na-reports/MatlabNotes.pdf>

i.e. [http](http://) SHOULD BE [http:](http://)

and [/ ftp/](ftp://) SHOULD BE [/ftp/](ftp://)

pg 223: line 3: kapacity SHOULD BE capacity

pg 228: line 13 and 14: \mathbf{t} SHOULD BE τ .

pg 233: Navier, see Equation(2) SHOULD BE Navier, see Equation(s)