

Errata: **Geophysical Inverse Theory**, 1994

Trivial punctuation items flagged by an asterisk

Chapter 1

- 6:"infinite set of" instead of "set of infinite"
- 15*:equation (9), no comma
- 28*:equation (2), no comma
- 32*:equation (5), no comma
- 35*:equation (7), no period
- 45*:equation (50) insert period

Chapter 2

- 61:in equation (14), $\hat{\mathbf{z}}$ for \hat{z}
- 77*:equation (25) no period
- 95*:line after equation (24), terminate line with comma
- 102:Oslo in Table 2.07B, correct longitude is 10.45
- 103:in Table 2.07C, substitute "Perpignan" for "Perpingnan"
- 105:3 lines from bottom, substitute "quality" for "qualify"
- 116:after 1st equation substitute "dependent" for "independent"

Chapter 3

- 132*: equation (5), add period
- 141:in equation (38) missing "("
- 142:4 lines from bottom, replace "bigger" with "smaller"
- 143:after equation in 3.02(ii) substitute \mathbf{x} for x
- 156:line 2, substitute "A" for "B"
- 157:line after (2), substitute "rewritten" for "rewrittten"
- 162:5 lines from bottom, substitute "3.02(13)" for "3.02(4)"
- 166:equation (19) $(R_1^T)^{-1}$ for first matrix in the norm
- 180:4 lines from end of para 2, correct figure reference "2.08b"
- :4 lines above equation (5), correct reference "3.05(16)"
- :2 lines above equation (5), correct reference "3.05(10)"
- 189:correct Parker-Shure reference "(1982)"
- 191:2nd line para 3, substitute "depleted" for "deleted"

Chapter 4

212:line 6 in para 2, insert "requires" after "This"
213:numerical width of f_2 is 1.9830
---:numerical width of f_3 is 5.2952
---:width of f_3 is $12a/\pi$
221*:equation (43) no period
222*:equation (50) no period
225:5 lines in para 2, delete "the" before "each"
225*:text in ex 4.03(i) should be set in 9 point
226*:text in ex 4.03(i) should be set in 9 point
227:2/3 down page, insert "the" before "whole real line"
229:2 lines after equation (4), "on" for "to"
235:equation (37), swap 1st and 3rd elements in vector
---:Figure, y-axis should be in μT
237:1/4 from bottom, delete "to"
246*:y-label of Fig 4.05b, 1st "g" in wrong font
250*:x-label of Fig 4.05d, 1st "g" in wrong font
258:last line of 2nd para, insert "a" after "in"
272:2/3 down page, insert "a" before "Sun"
276:bottom line, "long" for "lightly"
273:4 lines from bottom, "additional" for "addition"
277:bottom line, "short" for "long"
285:3 lines into last para, "combinations" for "combination"

Chapter 5

296:about page middle, author spelled "Cagniard"
---:condition (a), insert "is" after "term"
297:4 lines after equation (5), delete "signals"
---:equation (7), delete negative sign
298:equation (12) insert "-" before both ratios
299:equation (16) delete factor of i in the denominator
303:Line before last in exercise (i), replace $1/4$ with 4 and $3/4$ by $4/3$
304:Exponent of x in equation for ex (iv) must be $2\beta - 2$
306:equation (14) replace 1st "-" with "+"
311:line after equation (12) insert "to" after "appealed"
312:in (13) replace m in brackets with m_1
313:in equation (14) the Lagrange multiplier term should include the term $-T^2$.
318:near page middle, insert "the" before "misfit minimizer"
322:just before (12), interval should read $b \leq x \leq c$
326*:end of second para, replace : with period
340:near bottom, replace "minute" by "enormous!"
353:line after equation (8) "the" for "there"
352:2 lines after (2), replace $v(z)$ by $u(z)$
---:Two equations numbered (6); renumber the second one (6a)
---:Equation (6a), replace u_n by v_n
354:line 4 refer to (6a) instead of (6)

355:4 lines from bottom, insert "a" before "representation"

363:line 6, insert "to" after "tends"

365:line 1, substitute "at" for "a" after "layer"

Appendix A

371:2 lines above (A1), correct equation reference is 2.07(60)

---*:3rd block of eqns 2nd eqn, replace "." by ","

372*:line after 2nd equation, 2nd sentence starts "When"

---*:3rd block of eqns, append period

---*:last block of eqns, append period

References

375:5 refs from bottom, author spelled "Cagniard"

379:line before bottom, "Construction" for "Conduction"