

Galois Theory–Errata

Page 8, line 7: $(a + b\sqrt{D}) + (c + d\sqrt{D})$ should be $(a + b\sqrt{D})(c + d\sqrt{D})$

Page 13, line 5: 2.3.1 should be 2.2.1

Page 14, line 6: $g(x)$ should be $g(X)$

Page 22, line 16: i.e. should be are

Page 24, line 5: Insert *Set* $f_2(X) = \sigma_0(f_1(X))$. Before *Let*

Page 24, line -12: F_1 should be f_1

Page 26, lines 15, 16: Theorem 3.2.6 is quoted incorrectly. At this point Theorem 3.2.6 and Corollary 3.2.7 should be quoted. See the correct statements on page 53.

Page 31, line 4: $\sum_{i=0}^n$ should be $\sum_{i=1}^n$ twice

Page 31, line -3: $(\beta_{s-1} - \sigma_i(\epsilon_{s-1}))$ should be $(\beta_{s-1} - \sigma_k(\beta_{s-1}))$

Page 32, line 14: b' should be β' twice

Page 36, line -9: Insert *transitive* before *subgroup*

Page 39, line 9: 2.9.4 should be 2.9.5

Page 39, line 10: Replace If $(\mathbf{E}/\mathbf{Q}) = 3$, by If \mathbf{E} is the splitting field of an irreducible cubic polynomial over \mathbf{Q} ,

Page 39, line 12: Replace part (4) of this example by Example 2.9.5

Page 40, line -5: Insert Assume that $\text{char}(\mathbf{F}) \neq 2$. before Show

Page 40 line -2: Insert of the same multiplicity after $f(X)$

Page 41, line 2: Insert Assume that $a_0 \neq 0$. before Show

Page 41 line 4: Insert of the same multiplicity after $f(X)$

Page 41, line -5: Insert monic before irreducible

Page 48, line 10: Delete $i = 1, \dots, d$

Page 62, line -8: be should be is

Page 86, line 17: $b_{i+2}c_{j-1}$ should be $b_{i+2}c_{j-2}$

Page 86, line -15: Delete *primitive*

Page 89, lines 16, 19, and 20: 4.1.11 should be 4.1.12

Page 100, line -7: Line should end with \diamond

Page 101, line 4: Line should not end with \diamond

Page 108, lines 1-2: Replace *If m is odd and positive, set $m' = m$.* by *If $m \equiv 1 \pmod{4}$, set $m' = |m|$.*

Page 136, line -12: Show that, for k sufficiently large, should be Show that

Page 140, line -4: $d_i \alpha_i$ should be $d_i \alpha^i$

Page 143, line -3: **E** should be **F**

Page 144, line -13: Last **E** should be **B**

Page 148, line 9: Theorem 5.4.2 should be Lemma 5.4.1

Page 148, line 17: 5.1.1 should be 5.2.1

Page 148, line -9: 3.7.14 should be 2.7.14

Page 151, line 6: Cslosure should be Closure

Page 178 line -2: \subset should be \supset

Page 178 line -1: \subset should be \supset