

## Errata

“Algebra in Ancient and Modern Times” by V. S. Varadarajan

December 2012

- [1] p. 6, *l.* 7: “BCA” should be “CDA”
- [2] p. 9, *l.* 1 ↑: “ $y^2$ ” should be “ $y^4$ ”
- [3] p. 19, *l.* 5: “113” should be “153”
- [4] p. 19, *l.* 15: “ $A = \sqrt{s(s-a)\cdots}$ ” should be “ $A = \sqrt{(s-a)\cdots}$ ”
- [5] p. 20, *l.* 21: “(2,1)” should be “(2, 1)”
- [6] p. 25, *l.* 5: “ $\cdots = q_{i-1} \frac{N - x_{i-1}^2}{|m_{i-1}|} = \cdots$ ” should be “ $\cdots = q_{i-1} \frac{N - x_i^2}{|m_{i-1}|} = \cdots$ ”
- [7] p. 25, *l.* 14: “ $\cdots = \frac{p_{i-1}(N - x_i^2)}{m_{i-1}} = \cdots$ ” should be “ $\cdots = \frac{p_{i-1}(N - x_i^2)}{|m_{i-1}|} = \cdots$ ”
- [8] p. 27, *l.* 10: “ $p_{i+1} = \frac{p_i x_{i+1} + N q_{i+1}}{|m_i|}$ ” should be “ $p_{i+1} = \frac{p_i x_{i+1} + N q_i}{|m_i|}$ ”
- [9] p. 29, *l.* 13 ↑: “ $\cdots = (-1)^{i-1} a_i$ ” should be “ $\cdots = (-1)^{i-1} a_{i+1}$ ”
- [10] p. 34, *l.* 16: “ $a \pm \frac{b}{2a} > \cdots$ ” should be “ $\left(a \pm \frac{b}{2a}\right)^2 > \cdots$ ”
- [11] p. 38, *l.* 11:  $p_{96}^+$  and  $p_{96}^-$  should be switched
- [12] p. 39, *l.* 8 ↑: “ $\cdots + \cdots + A_n = 0$ ” should be “ $\cdots + \cdots + A_n = 0$ ”
- [13] p. 45, *l.* 10 ↑: “(c. 1150–)” should be “(c. 1050–)”
- [14] p. 48, *l.* 13: “1208” should be “1228”
- [15] p. 48, *l.* 15: Add “(1225)” at the end
- [16] p. 51, *l.* 4: “the formula” should be “The formula”
- [17] p. 61, *l.* 1 ↑: “thempubliс” should be “them public”
- [18] p. 82, *l.* 9: “ $\cdots = \frac{Q}{864P^3} \cdots$ ” should be “ $\cdots = \frac{27Q}{2P^3} \cdots$ ”
- [19] p. 82, *l.* 14: “(doubl )” should be “(double)”
- [20] p. 82, *l.* 3 ↑: “(iii)” should be “(iv)”
- [21] p. 82, *l.* 1 ↑: “ $f(x_=) \cdots$ ” should be “ $f(x_-) \cdots$ ”
- [22] p. 83, *l.* 1: “(iv)” should be “(v)”
- [23] p. 83, *l.* 2: “(iv)” should be “(v)”
- [24] p. 108, *l.* 11: “[ $\omega$ ]” should be “ $\mathbf{Z}[\omega]$ ”
- [25] p. 114, *l.* 5 ↑: “ $\frac{n(n-1)(n-2)(n-3)}{4} \cdots$ ” should be “ $\frac{n(n-1)(n-2)(n-3)}{4!} \cdots$ ”
- [26] p. 123, *l.* 25: “ $\sqrt{\cdots - 16\sqrt{34 - 2\sqrt{17}} - \cdots}$ ” should be “ $\sqrt{\cdots - 16\sqrt{34 + 2\sqrt{17}} - \cdots}$ ”
- [27] p. 131, *l.* 3: “ $\mathbf{Q}_2 = \mathbf{Q}(i)$ ” should be “ $\mathbf{Q}_2 = \mathbf{Q}$ ”
- [28] p. 139, *l.* 24, 25: Insert “Pell, John (1611–1685)”