

TABLE ERRATA

628.—*Table of integrals, series, and products*, by I. S. Gradshteyn and I. M. Ryzhik, corrected and enlarged edition, Academic Press, New York, first printing 1980; fifth edition, Academic Press, New York, first printing 1994

The following errata in [1] and [2] have been found in Sections 3.132, 3.137 and 3.141.

- **3.132 6:** [1], p. 220 and [2], p. 267:

Replace the right-hand side by

$$\frac{2}{\sqrt{a-c}}[(a-b)\Pi(\mu, 1, q) + bF(\mu, q)]$$

- **3.137 2:** [1], p. 227 and [2], p. 276:

For $r \neq 0$, read $r \neq c$

- **3.137 6:** [1], p. 227 and [2], p. 276:

For $\frac{b-a}{a-r}$, read $\frac{a-b}{a-r}$

- **3.137 7:** [1], p. 228 and [2], p. 276:

Replace the right-hand side by

$$\frac{2}{(b-r)(a-r)\sqrt{a-c}} \left[(b-a)\Pi\left(\mu, \frac{b-r}{a-r}, q\right) + (a-r)F(\mu, q) \right]$$

- **3.141 21:** [1], p. 233 and [2], p. 281:

For $(2c-b-u)$, read $(b+c-a-u)$

- **3.141 24:** [1], p. 234 and [2], p. 281:

For $\sqrt{\frac{(u-a)(u-b)}{u-c}}$, read $\sqrt{\frac{(u-a)(u-c)}{u-b}}$

- **3.141 30:** [1], p. 234 and [2], p. 282:

Remove the extra factor of $(a-c)/(b-c)$, i.e. replace the right-hand side by

$$\frac{2}{3}\sqrt{a-c}[(a+c-2b)E(\mu, q) - (a-b)F(\mu, q)] + \frac{2}{3}(u+b-a-c)\sqrt{\frac{(u-a)(u-c)}{u-b}}$$

REFERENCES

1. I. S. Gradshteyn and I. M. Ryzhik, *Table of integrals, series, and products*, Academic Press, New York, 4th (corrected and enlarged) edition, 1980. MR **81g**:33001
2. I. S. Gradshteyn and I. M. Ryzhik, *Table of integrals, series, and products*, Academic Press, New York, 5th edition, 1994. MR **94g**:00008

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