

Errata for *Tables of Integrals, Series, and Products* (8th edition)

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NOTES

- The home page for this book is <http://www.mathtable.com/gr>
- The latest errata is available from <http://www.mathtable.com/errata/>

ERRATA

1. **Acknowledgements** on pages xix–xxiii. The following names should be added

- Peter Brown
- Bruno Daniel
- Mariam Mousa Harb
- Dr. Aaron Hendrickson
- Dr. Michal Wierzbicki

Also, the name “Dr. M. A. F. Sanjun” is incorrect; it should be “Dr. Miguel A. F. Sanjuan”.

2. Page 109, Integral 2.33.16

The “exp” is incorrect and should have been “erf”.

(Thanks to Aaron Hendrickson for correcting this error.)

3. Page 184, line 7

Disregard the spurious text “ndexsquare roots”

4. Page 224, Integral 2.647.6

The evaluation of the integral is incorrect; the term “ $\frac{\pi}{2}$ ” should have been “ $\frac{x}{2}$ ”.

5. Page 361, Integral 3.426.2

The numerator of the integrand is incorrect; the term “ $(e^x - ae^{-x})$ ” should have been “ $(e^x + ae^{-x})$ ”.

6. Page 369, Integral 3.462.22

The evaluation of the integral is incorrect; the term “ $K_1(ab)$ ” should have been “ $K_2(ab)$ ”.

(Thanks to Peter Brown for correcting this error.)

7. Page 382, Integral 3.527.13

The denominator of the integrand should be “ $\sinh^2 x$ ”; the current “ $\cosh^2 x$ ” is incorrect.

8. Page 539, Integral 4.231 19

The correct evaluation of this integral is:

$$\int_0^1 \frac{x \log x}{1+x} dx = -1 + \frac{\pi^2}{12}$$

(Thanks to Kendall Richards for correcting this error.)

9. Page 779, Integral 7.132.1

In the evaluation the first term in the denominator is wrong.

The current $\Gamma(\lambda + \frac{1}{2}\nu + 1)$ is incorrect; it should have been $\Gamma(\lambda + \frac{1}{2}\nu + \frac{1}{2})$.

(Thanks to Bruno Daniel for correcting this error.)

10. Page 909, Integral 8.352.3

In the evaluation the upper limit on the summation is wrong.

The current $\sum_{k=1}^m$ is incorrect; it should have been $\sum_{k=1}^n$.

(Thanks to Mariam Mousa Harb for correcting this error.)

11. Page 909, Integral 8.352.7

The evaluation uses z when it should have used x .

The current e^{-z} is incorrect; it should have been e^{-x} .

(Thanks to Mariam Mousa Harb for correcting this error.)

12. Page 1008, Relation 8.961.1

While correct, the relation is not in its most general form.

The current

$$P_n^{(\alpha, \alpha)}(-x) = (-1)^n P_n^{(\alpha, \alpha)}(x)$$

should be replaced with

$$P_n^{(\alpha, \beta)}(-x) = (-1)^n P_n^{(\beta, \alpha)}(x)$$

(Thanks to Michal Wierzbicki for correcting this error.)