



Correction to: “How and how not to check Gaussian quadrature formulae”

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Correction to: BIT Numer Math 23 (1983), 209–216 <https://doi.org/10.1007/BF02218441>

In the article “How and how not to check Gaussian quadrature formulae” [1] the Gaussian quadrature rule reported in Table 2.2 contains an error in the node $\tau_9^{(15)}$.

The correct table is given in Table 0.1.

Table 0.1 Gaussian quadrature rule for the measure $d\lambda(t) = \exp(-t^3/3)dt$ on $(0, \infty)$. Correction to Table 2.2 in [1]

ν	$\tau_\nu^{(15)}$	$\lambda_\nu^{(15)}$
1	1.929765389638693(-2)	4.940830823126689(-2)
2	1.006599142226749(-1)	1.126586278069619(-1)
3	2.428468366694404(-1)	1.696700745266622(-1)
4	4.387642946878456(-1)	2.136246330297717(-1)
5	6.787965036904373(-1)	2.329324905722498(-1)
6	9.522620471509191(-1)	2.150021042138036(-1)
7	1.249165311141012(0)	1.596591146577856(-1)
8	1.561526358196975(0)	8.939650846589768(-2)
9	1.883946691223344(0)	3.512652914092340(-2)
10	2.213595570164661(0)	8.956321788320709(-3)
11	2.550023378308307(0)	1.353123731389520(-3)
12	2.895208615030500(0)	1.076566880888657(-4)
13	3.254368222416162(0)	3.781200408411502(-6)
14	3.639045691197643(0)	4.272835535767259(-8)
15	4.080805415015807(0)	7.218347932277564(-11)

The original article can be found online at <https://doi.org/10.1007/BF02218441>.

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Reference

1. Gautschi, W.: How and how not to check Gaussian quadrature formulae. *BIT Numer. Math.* **23**, 209–216 (1983)

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