ERRATUM TO "ON THE LOCATION OF THE ZEROS OF THE DERIVATIVE OF A POLYNOMIAL"

J. BRIAN CONREY AND L. A. RUBEL

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Karl Dilcher has pointed out to the authors a mistake in the proof of Theorem 1 on line 6 of page 39. With $n = 1$ and $c_1 = \frac{1}{2}$, it is not true that $g(x) > 0$ for $0 \leq x \leq 1$. In fact, $g(2/5) = -19/1250$. Dilcher has shown that the correct constant is $c_1 = \sqrt{3/2} [(16\sqrt{2} + 13)^{1/3} - (16\sqrt{2} - 13)^{1/3} - 1]^{1/2} \cong 0.4947091$. With this emended value of c_1 , Theorem 1 is true.

REFERENCES

1. J. B. Conrey and L. A. Rubel, *On the location of the zeros of the derivative of a polynomial*, Proc. Amer. Math. Soc. **86** (1982), 37–41.

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