

NOTE TO THE EDITOR:
ON THE INVERSION OF LAPLACE TRANSFORMS BY THE
METHOD OF PAPOULIS*

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In a paper published in this journal [1], A. Papoulis presented a numerical inversion technique for Laplace transformation by means of a trigonometric approach.

It is clear by inspection that Eq. (34) is a nonsequitur; a $\pi/4$ factor is missing in the summation term and the first binomial coefficient should correctly read

$$\binom{2n}{n-j}.$$

Further, the entry for C_0 at $n = 4$ in Table 1 in (1) that contains the binomial coefficients of C_k is incorrectly given as 19. The correct value is

$$\binom{8}{4} - \binom{8}{3} = 70 - 56 = 14.$$

Further, in Example 2 the correct value of C_{10} is 15.953 instead of 0.0982 originally reported; truncation of Eq. (2) is necessary at the ninth term in this case.

REFERENCES

- [1] A. Papoulis, *A new method of inversion of the Laplace transform*, *Quart. Appl. Math.* **14**, 405 (1957)

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