Abstracts

Useful Bessel Function Identities and Integrals (Comments)

V.P. Pyati. "Useful Bessel Function Identities and Integrals (Comments)." 1994 Transactions on Microwave Theory and Techniques 42.7 (Jul. 1994, Part I [T-MTT]): 1283-1283.

The subject paper contains nothing new either in substance or in application and has the flavor of an exercise for graduate students in electromagnetic to polish their manipulative skills. Be that as it may, it would appear that one of the reasons for the publication of [1] in these Transactions is that the integrals derived therein are not found in common references. This makes one really wonder what might happen if other readers were to report similar instances of collateral discoveries in the course of their research and academic pursuits. One can then perhaps devote an entire issue of the Transactions to publish such new results. Unlike a language dictionary of say, English, it is neither practical nor necessary to prepare a Dictionary of Integrals. Furthermore, the proof given in the paper is in the nature of a verification and hence hinges upon knowing the correct answers beforehand. It is not difficult to establish direct proofs and for purposes of illustration, consider the two homogeneous solutions of the Bessel equation with parameter p.

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