

Abstracts

On the Use of Levin's T-Transform in Accelerating the Summation of Series Representing the Free-Space Periodic Green's Functions (Short Papers)

S. Singh and R. Singh. "On the Use of Levin's T-Transform in Accelerating the Summation of Series Representing the Free-Space Periodic Green's Functions (Short Papers)." 1993 Transactions on Microwave Theory and Techniques 41.5 (May 1993 [T-MTT]): 884-886.

The Levin's t-transform is shown to accelerate the summation of slowly converging series. This is illustrated by application transform to the series representing the free-space periodic Green's functions involving a single and double infinite summation. Numerical indicate that the transform converges rapidly than a direct summation the series. Thus, it provides considerable savings in computation time.

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