

Abstracts

Tables for Cascaded Homogeneous Quarter-Wave Transformers

L. Young. "Tables for Cascaded Homogeneous Quarter-Wave Transformers." 1959
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Quarter-wave transformers are frequently required in microwave and UHF systems. An exact design procedure is known but involves lengthy calculations. Faced with the design of many such transformers, the calculations were programmed on an IBM 704 digital computer. The speed of computation is such that several hundred designs for 2, 3, and 4 section transformers were systematically computed in a few minutes. The results are reproduced here in tables, which should permit the calculation of most cases of practical interest by interpolation.

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