SUMMARY

This book is a comprehensive text on the spectral domain method for microwave integrated circuits. It treats this commonly used computer method from a very basic level through examples, and introduces its advanced applications in simple words. It provides the reader with an up-to-date detailed account of the technique, which is not usually accessible in research journals. The book provides useful explicit commuting efficiency, alternative forms of the spectral domain method and its new applications to complex MIC transmission lines, planar resonators, periodic structures, antennas etc. It contains a set of useful computer codes for quick appreciation of the techniques and its capabilities. (These programs are available on disk from the author.)

The book can be used as a textbook for teaching the method to engineering or physics students, or as a self-teaching source and reference book for practising engineers and scientists.

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