Abstracts

A Rigorous Method of Moments Solution for Curved Waveguide Bends and its Applications

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An accurate and computationally efficient method of moment solution together with a mode-matching technique for the analysis of curved planar waveguide bends is described. The method is applied to single and cascaded curved bends in rectangular waveguides, quantum waveguides and microstrips. The effect of the orientation of cascaded bends on the transmission properties is examined.

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