

30 – 52 SCATTERING AND ABSORPTION OF E-POLARIZED AND
H-POLARIZED PLANE-WAVES BY A CIRCULARLY
CURVED RESISTIVE STRIP

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An analytical-numerical method of analysis is presented for two-dimensional wave diffraction by an open circular resistive strip. The method is based on the dual series equations regularization approach and results in algorithms with accuracy limited only by a computer's digital precision. Scattering and absorption cross sections are computed as functions of frequency for lossless and lossy strips.

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