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ANALYSIS METHODS FOR GUIDING STRUCTURES

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Session Abstract: The first paper in this session uses a multiport network to find the voltage distribution around discontinuity edges and presents an equivalent magnetic current model to compute the external fields produced.

The second paper uses the boundary finite integral equation method (BIEM) to solve an arbitrary multiregion cross-section problem.

The third paper develops and uses a general mixed spectral domain technique to analyze a class of ridged waveguides.

The last paper in the session characterizes coupled asymmetric suspended strip lines having three thick-strip conductors and side-wall grooves using the rectangular boundary division method.

2:00 p.m.–3:30 p.m., Wednesday, June 14, 1989
California Room