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GUIDED WAVE EFFECTS

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Session Abstract: Use of planar transmission lines in a more complicated environment has required one to correctly understand guided wave phenomena in these structures. Two papers deal with the modal behavior of slot line on coplanar waveguide with an additional ground plane. The role of complex modes is discussed in one paper. The skin-effect and tapered multiple strips are treated in two papers. Another paper deals with nonreciprocal effects in a slot line configuration. As MIC technology is advanced, the analysis on planar transmission lines becomes more sophisticated as demonstrated in this session.

2:00 pm–3:30 pm, May 25, 1988
Jacob Javits Convention Center, Hall 1E
Room 3