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PASSIVE COMPONENTS—II

Chairman: Ali E. Atia—COMSAT Systems

Session Abstract: This session extends the state of the art of the methods used in the analysis, synthesis, and design of microwave passive components covering frequency bands extending to millimeter waves. These extensions are necessitated by the increasingly stringent performance imposed by the complex systems requirements on size, loss and bandwidths.

Several novel wideband designs of unequal power dividers exhibiting improved performances are described. These devices are realized in various transmission media including waveguides, microstrip lines, and lumped elements.

The future will probably see more emphasis on the development of components having wider bandwidths, lower loss, and smaller sizes.

4:00 p.m.–5:30 p.m., Tuesday, June 13, 1989
Center Theater