Abstracts

Session 9 Introduction (1984 [MWSYM])

R.V. Snyder. "Session 9 Introduction (1984 [MWSYM])." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 231-231.

If there is a common theme to the papers in our session, it is the interdisciplinary and synergistic use of heretofore separate design techniques to achieve smaller, higher performance and intrinsically lower cost filter structures. The authors have combined computer modeling, dielectric resonators, evanescent mode waveguide and printed technology to achieve new levels of performance. Our session spans the frequency range 4 GHz to 100 GHz and treats bandpass, bandstop and multiplexed devices - the authors have evidently "cross-pollinated" a number of heretofore separate design concepts to achieve their results. This bodes well for the future of the microwave filter art. We seem to be entering into an era in which the newer technologies are becoming practical, moving from laboratory curiosities to actual system usage.

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