

Abstracts

Radiation from Open Waveguides and Leaky Wave Phenomena

F.K. Schwering. "Radiation from Open Waveguides and Leaky Wave Phenomena." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 137-140.

Professor Oliner's work in the area of microwaves and millimeter waves has resulted in important contributions to the theory of open waveguides; to phased array theory; to the recognition and interpretation of new leaky wave phenomena; and, in recent years, to the design and analysis of a class of novel antennas derived from open mm-waveguides. A review of this work will be presented. The first part of the presentation will be concerned with Dr. Oliner's theoretical research, which was often complemented by careful experiments. The subject of the second part will be the applications resulting from this work as exemplified by the new class of open-waveguide leaky-wave antennas.

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