

Abstracts

Optical Control of Phased Array Antennas: A European Perspective (Late Paper)

A.J. Seeds, W.I. McMillan, C.R. Pescod, M.J. Wale and W.S. Birkmayer. "Optical Control of Phased Array Antennas: A European Perspective (Late Paper)." 1990 MTT-S International Microwave Symposium Digest 90.3 (1990 Vol. III [MWSYM]): 1343-1346.

The savings in mass and bulk in phased array antennas resulting from the replacement of microwave element feeds with optical fibre feeds are now widely recognised. However, the technological difficulties in implementing such systems are only now beginning to be addressed. In this paper we review current European work on optical feeds, ranging from systems demonstrator work on optical signal distribution networks to research studies on phased array beam formers using coherent optical techniques.

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