

# Abstracts

## Chaos in Microwave Antenna Arrays

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*R.J. Ram, R. Sporer, H.-R. Blank, P. Maccarini, H.-C. Chang and R.A. York. "Chaos in Microwave Antenna Arrays." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1875-1878.*

This paper considers a chaotic microwave transmitter consisting of a quasi-optical antenna array. When the coupling strength between array elements is too small to allow phase-locking, the antenna arrays exhibit low-dimensional chaos. These arrays show potential for use in inexpensive, high-power and high-speed wireless communication channels.

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