

# Abstracts

## Ultimate beam capacity limit of fibre grating based true-time-delay beam-formers for phased arrays

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R.A. Minasian and K.E. Alameh. "Ultimate beam capacity limit of fibre grating based true-time-delay beam-formers for phased arrays." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1375-1378.

A new grating based beam-former is presented which can synthesise a large number of beams with the minimum number of interconnects. A partitioned WDM grating topology is also described which removes the frequency and beat noise limits, and results are presented for the ultimate capacity of grating true-time-delay beam-formers.

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