

# Abstracts

## Direction finding using spectral estimation with arbitrary antenna arrays

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*T. Do-Hong, W. Fisch and P. Russer. "Direction finding using spectral estimation with arbitrary antenna arrays." 2001 MTT-S International Microwave Symposium Digest 01.2 (2001 Vol. II [MWSYM]): 1387-1390 vol.2.*

This paper presents direction-finding techniques for smart antennas based on conformal and irregular antenna arrays. Methods of spectral estimation are considered to estimate directions-of-arrival (azimuth and elevation) using two-dimensional arrays and three-dimensional arrays (conformal arrays). The effects of arbitrary arrays on the performance and on the resolution of direction-finding algorithms are illustrated by simulation results.

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