

# Abstracts

## Holographic Imaging with Object Synthesized Apertures

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*N.H. Farhat and P.C. Wang. "Holographic Imaging with Object Synthesized Apertures." 1974 Transactions on Microwave Theory and Techniques 22.5 (May 1974 [T-MTT]): 531-535.*

A method for imaging remote moving objects with a giant thinned holographic array by monitoring the range and range-rate (Doppler) histories of a coherently illuminated object at the various elements of the array is discussed. Electrooptic processing and image retrieval from the raw data collected are described together with a technique that compensates for image distortion arising from irrotational object maneuvers. Results of confirming experiments are also given together with remarks on practical implementation.

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