

Abstracts

Synthetic aperture radiometer systems

D.M. Le Vine. "Synthetic aperture radiometer systems." 1999 MTT-S International Microwave Symposium Digest 99.1 (1999 Vol. 1 [MWSYM]): 407-410 vol. 1.

Aperture synthesis is an emerging technology for passive microwave remote sensing from space. It is an interferometric technique in which pairs of small antennas and signal processing are used to obtain the resolution of a single large antenna. The technique has been demonstrated successfully at L-band with the aircraft prototype, ESTAR; and proposals have been submitted to demonstrate this technology in space.

 [Return to main document.](#)