

Abstracts

Wideband Feed Systems for Radio Telescopes

G.L. James. "Wideband Feed Systems for Radio Telescopes." 1992 MTT-S International Microwave Symposium Digest 92.3 (1992 Vol. III [MWSYM]): 1361-1363.

While reflector-type antennas commonly used for radio telescopes are inherently capable of extremely wide bandwidth performance, they are severely limited by the behaviour of the feed system. An overview is given of wideband feed systems for radio astronomy purposes developed at the CSIRO Division of Radiophysics. This work encompasses the feed antenna, the orthomode transducer, and the waveguide polarizer.

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