

Abstracts

Phase Calibration of the Very Long Baseline Array(VLBA)

A.E.E. Rogers, B.E. Corey and E.F. Nesman. "Phase Calibration of the Very Long Baseline Array(VLBA)." 1992 MTT-S International Microwave Symposium Digest 92.3 (1992 Vol. III [MWSYM]): 1373-1373.

The delay through a microwave receiver can be calibrated injecting short duration pulses (< 25 picosecond risetime) with constant repetition rate (typically 1 MHz) through a coupler into the input of the receiver. The phases of the tones generated by the pulse train are measured to determine the receiver phase and group delay.

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