

# Abstracts

## High Resolution Target Range Estimation Using Frequency-Stepped CW Radar

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G.A. Ybarra, G.L. Bilbro, S.M. Wu, S.H. Ardalan, C.P. Hearn and R.T. Neece. "High Resolution Target Range Estimation Using Frequency-Stepped CW Radar." 1993 MTT-S International Microwave Symposium Digest 93.1 (1993 Vol. 1 [MWSYM]): 249-252.

An optimal signal processing algorithm is derived for obtaining high resolution target range estimates from a small set of narrow bandwidth frequency-stepped CW radar measurements. Performance of the optimization approach is illustrated using measured data obtained from an HP-8510 network analyzer.

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