

IDENTIFICATION OF NOISE PROCESSES IN OSCILLATORS
AND SAMPLE DATA OF FREQUENCY STABILITY
OF FREQUENCY STANDARDS

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ABSTRACT

A brief and simple outline of how various noise processes affect time-domain stability and how these processes can be identified will be presented. Examples will be given of data from various crystal and atomic frequency standards.

Reference: Methods of Experimental Physics, Vol. 12, Astrophysics Part C, Radio Observations, 1976, Academic Press, New York. Chapter 5.4 "Frequency in Time Standards," by Robert F. C. Vessot.