

Errata to IEEE Standard Definition of Physical Quantities for Fundamental Frequency and Time Metrology—Random Instabilities

Developed by the
IEEE Ultrasonics, Ferroelectrics and Frequency Control Committee
of the
IEEE Ultrasonics, Ferroelectrics and Frequency Control Society

Correction Sheet
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On page 20, please change the cell in row two, column two (specifically the 0 under S_2) to read as the following:

Table A.1—Spectral density definitions

Name	Classical variance	Relationships assuming even symmetry with $S(f) = S(-f)$
One-sided spectral density $S_{1-sided}(f)$	$\int_0^{\infty} S_{1-sided}(f) df$	$S_{1-sided}(f) = 2S_{2-sided}(f)$
Two-sided spectral density $S_{2-sided}(f)$	$\int_{-\infty}^{\infty} S_{2-sided}(f) df$	$S_{2-sided}(f) = \frac{1}{2} S_{1-sided}(f)$
$\mathcal{L}(f)$	$\int_0^{\infty} 2\mathcal{L}(f) df$	$\mathcal{L}(f) = \frac{1}{2} S_{\phi,1-sided}(f)$ $\mathcal{L}(f) = S_{\phi,2-sided}(f)$ for $f > 0$