

IEEE Std 529[™]-1980 (R2005)

(Supplement to IEEE Std 517™-1974(R2005)

Supplement for Strapdown Applications to IEEE Standard Specification Format Guide and Test Procedures for Single-Degree-of-Freedom Rate-Integrating Gyros

Sponsor

Gyro and Accelerometer Panel of the

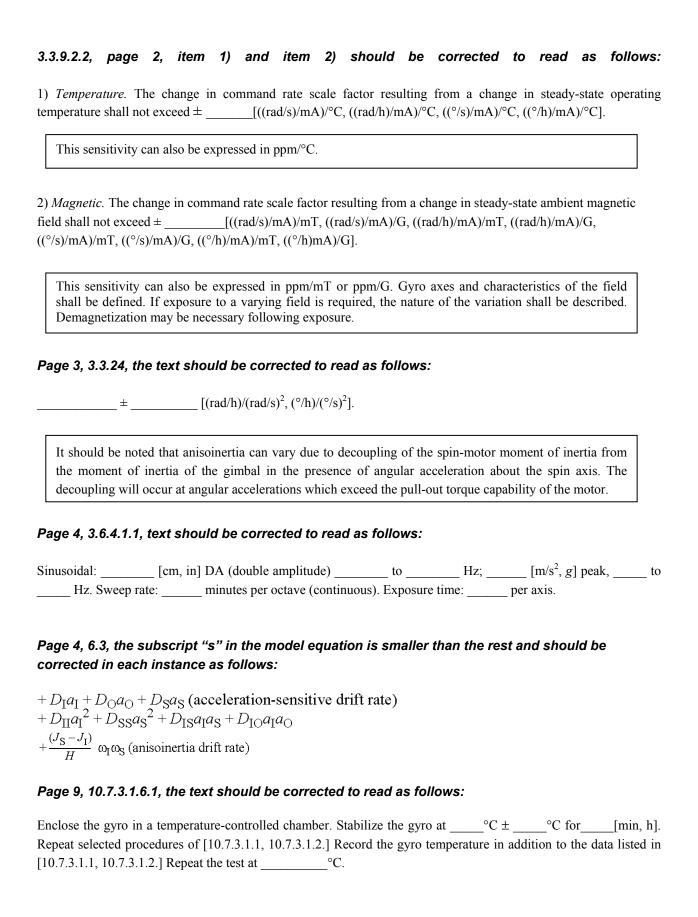
IEEE Aerospace and Electronic Systems Society

Correction Sheet Issued 29 July 2014

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29 July 2014 Product #07989E



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Page 9, 10.7.3.4, the text should be corrected to read as follows:

Connect the impedance measuring equipment to the gyro torquer. Record the inductance and resistance at frequency and voltage settings of $\underline{\hspace{1cm}} \pm \underline{\hspace{1cm}} Hz$ and $\underline{\hspace{1cm}} \pm \underline{\hspace{1cm}} V.$
For successful impedance matching with capture electronics, the second-order characteristics of the torquer may need to be considered.
Page 16, 10.13.4.9, the fourth paragraph should be corrected to read as follows:
Calculate the output axis rate error $D_{\omega}(\omega_{\rm O})$ for each data point as follows:
$D_{\omega}(\omega_{\rm O}) = \omega_{\rm IR} - \omega_{\rm O} \sin \alpha$

The maximum value of $D_{\omega}(\omega_0)$ shall conform to the requirements of Section _____.

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