



Errata

Lund's Elliptic Orbit Forced Response Analysis: The Keystone of Modern Rotating Machinery Analysis [ASME J. Vib. & Acous., 125, No. 4 pp. 455–461]

R. Gordon Kirk

Correction to the definition of the imbalance mass required to correct a disk skew as reported on page 459. The equation was stated correctly, the explanation of the term U_{oz} was in error.

$$U_{oz} = \frac{2\delta_s W D^2}{D_s \delta_w D_w}$$

where,

- δ_s = runout from dial indicator, in. (1 in.=2.54 cm)
- δ_w = axial separation of balance weights, symmetric to disk centerline, in. (1 in.=2.54 cm)
- U_{oz} = couple unbalance mass required to counteract or to simulate a skew, oz (1 oz=28.35 g)
- D = diameter of disk, in. (1 in.=2.54 cm)
- D_s = diameter where skew was measured, in. (1 in.=2.54 cm)
- D_w = diameter of balance weight circle, in. (1 in.=2.54 cm)
- W = disk weight, lb_f. (1 lb_f=4.45 N)

Study on the Dynamics of a Rotor in a Maneuvering Aircraft [ASME J. Vib. & Acous., 125, No. 3, pp. 324–327]

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The authors acknowledge an error in Fig. 3. In this figure, the legends for two curves are incorrect. The curve labeled with $X_d''=50$ should be changed to $X_d''=1$; the curve labeled with $X_d''=1$ should be changed to $X_d''=50$. The correct figure is shown on page 323.

