

Erratum

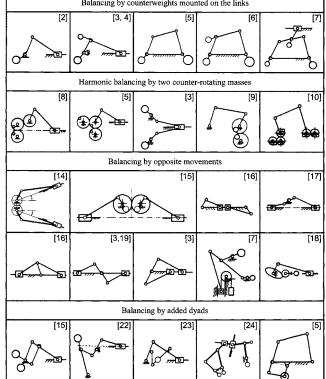
Erratum: "Shaking Force and Shaking Moment Balancing of Mechanisms: A Historical Review With New Examples" [Journal of Mechanical Design, 2005, 127(2), pp. 334–339]

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Following are Tables 1 and 2 which were unfortunately omitted from the published article:

Table 1 Balancing schemes with different movements of counterweights

Balancing by counterweights mounted on the links



State Shaking force Shaking moment 60 1050 Unbalanced mechanism 30 825 600 -30 375 -90| 150 L 90 180 270 90 180 270 360 Crank rotation angle (deg) Crank rotation angle (deg) 3000 Shaking force balanced 60 30 Newton-meter 30 0 0 00 0 1500 mechanism Newton -1500 -60 -90∔ 90 180 270 360 -3000 L 270 360 180 Crank rotation angle (deg) Crank rotation angle (deg) 3000 60 Shaking moment minimization of fully force balanced mech. 1500 Newton-meter -1500 -60 -90 0

360

Table 2 Shaking force and shaking moment variations of the examined slider-crank mechanisms

-3000 L

180 Crank rotation angle (deg)

270

90

180 Crank rotation angle (deg)

270

360