INTERNATIONAL ORGANIZATION FOR STANDARDIZATION  •  МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ  •  ORGANISATION INTERNATIONALE DE NORMALISATION

# Lasers and laser-related equipment — Test methods for laser beam parameters — Beam positional stability

## TECHNICAL CORRIGENDUM 1

*Lasers et équipements associés aux lasers — Méthodes d'essai des paramètres du faisceau laser — Stabilité de visée du faisceau*

*RECTIFICATIF TECHNIQUE 1*

Technical Corrigendum 1 to ISO 11679:2003 was prepared by Technical Committee ISO/TC 172, *Optics and photonics*, Subcommittee SC 9, *Electro-optical systems*.

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*Pages 7, 8, 9*

Replace equations (10), (11), (20), (21), (22), (23), (27), (28) and (33) by the following:

$$\bar{x}'_i = \frac{\iint x' E(x', y') \mathrm{d}x' \mathrm{d}y'}{\iint E(x', y') \mathrm{d}x' \mathrm{d}y'} \tag{10}$$

$$\bar{y}'_i = \frac{\iint y' E(x', y') \mathrm{d}x' \mathrm{d}y'}{\iint E(x', y') \mathrm{d}x' \mathrm{d}y'} \tag{11}$$

$$s = \sqrt{\frac{\sum_i r_i^2}{n-1}} \tag{20}$$

$$\Delta_x(z) = 4s_x \tag{21}$$

$$\Delta_y(z) = 4s_y \tag{22}$$

$$\Delta(z) = 2\sqrt{2}\,s \tag{23}$$

$$\zeta_{x'_i} = \frac{\iint x' E(x', y') \mathrm{d}x' \mathrm{d}y'}{\iint E(x', y') \mathrm{d}x' \mathrm{d}y'} \tag{27}$$

$$\zeta_{y'_i} = \frac{\iint y' E(x', y') \mathrm{d}x' \mathrm{d}y'}{\iint E(x', y') \mathrm{d}x' \mathrm{d}y'} \tag{28}$$

$$s_{\tilde{y}}^2 = \frac{\sum_i \left( \zeta_{y'_i} - \zeta_{y'_M} \right)^2}{n-1} \tag{33}$$