



INTERNATIONAL STANDARD ISO 9335:1995 TECHNICAL CORRIGENDUM 1

Published 2005-11-15

Corrected version 2006-09-01

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

Optics and optical instruments — Optical transfer function — Principles and procedures of measurement

TECHNICAL CORRIGENDUM 1

Optique et instruments d'optique — Fonction de transfert optique — Principes et procédures de mesure

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO 9335:1995 was prepared by Technical Committee ISO/TC 172, *Optics and photonics*, Subcommittee SC 1, *Fundamental standards*.

In this corrected version the year of publication in the introductory text has been corrected from “2005” to “1995” and the correction to page 2, Table 1, has been corrected by deletion of a superfluous horizontal line.

Title

Replace the first element of the title

“*Optics and optical instruments*”

with

“*Optics and photonics*”

Replace the first element of the title in French

“*Optique et instruments d'optique*”

with

“*Optique et photonique*”

Page 1, Subclause 4.1.2

At the end of the first sentence, add the footnote reference “¹⁾” and add the following footnote at the bottom of the page:

“¹⁾ The various parameters having impact on accuracy of measurement are described in ISO 11421.”

Page 2, Subclause 4.1.2, line 9

Correct

“... and a focal plane setting to $5 \pm \mu\text{m}$”

to read

“... and a focal plane setting to $\pm 5 \mu\text{m}$”

Page 2, Table 1

Replace Table 1 with the following table

Table 1 — Defocusing tolerances

Dimensions in micrometres

f-number	Defocusing tolerance for spatial frequency					
	mm ⁻¹					
	1	5	10	20	50	100
1	45	9	4,5	2,3	1,0	0,5
1,4	62	12,5	6,3	3,2	1,4	0,8
2	89	18	9	4,7	2,0	1,1
4	180	36,5	18,8	9,8	4,6	3
8	360	74	39	21,5	12	12,2
16	720	157	86	54	49	468
NOTE For a change of 0,10 in MTF, defocusing tolerances are twice those shown in the table.						

Page 9, Subclause 4.4.5, 3rd paragraph

At the end of the first sentence, add the footnote reference “2)” and add the following footnote at the bottom of the page:

“2) See the equation in 6.4.”

Page 13, Subclause 6.4

Replace the equation

$$\text{“MTF}(r) = \frac{T_m(r)}{\pi \text{MTF}_i(r)} \text{”}$$

with

$$\text{“MTF}(r) = \frac{T_m(r)}{\Pi \text{MTF}_i(r)} \text{”}$$

Page 21, after Annex A

Add a Bibliography as follows:

Bibliography

[1] ISO 11421, *Optics and optical instruments — Accuracy of optical transfer function (OTF) measurement*