

ISO 14880-4:2006-06 (E)

Optics and photonics - Microlens arrays - Part 4: Test methods for geometrical properties

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms, definitions and symbols	1
4	Coordinate system	3
5	Test methods	4
5.1	Pitch and surface modulation depth measurement	4
5.2	Physical thickness	9
5.3	Radius of curvature	9
5.4	Surface preparation of microlens array for measurement	12
6	Procedure	13
6.1	Measurement of pitch and surface modulation depth (lens sag)	13
6.2	Measurement of physical thickness	13
6.3	Measurement of radius of curvature	13
7	Results and uncertainties	13
8	Test report	14
Annex A (normative) Measurement with a Fizeau interferometer system		16
Annex B (informative) Uniformity of array spacing		19
Bibliography		22