ISO 16610-61:2015-07 (E)

Geometrical product specification (GPS) - Filtration - Part 61: Linear areal filters - Gaussian filters

Contents

Page

Foreword iv

Introduction vi

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Characteristics of linear planar Gaussian filters 2
4.1 General 2
4.2 Weighting function of linear planar filters 2
4.3 Transmission characteristics of linear planar Gaussian filters 4
4.3.1 Transmission characteristic of the long wave component 4
4.3.2 Transmission characteristic of the short wave component 5
4.4 Separable weighting functions 6

5 Characteristics of linear cylindrical Gaussian filters 6
5.1 General 6
5.2 Weighting function of linear cylindrical Gaussian filters 6
5.3 Transmission characteristics of a linear cylindrical profile 7
5.3.1 Transmission characteristic of the long wave component 7
5.3.2 Transmission characteristic of the short wave component 9

6 Other Information 11
6.1 General 11
6.2 Filter Designations 11

Annex A (informative) Examples 12

Annex B (informative) Concept diagram 15

Annex C (informative) Relationship to the filtration matrix model 16

Annex D (informative) Relationship to the GPS matrix model 17

Bibliography 18