# ISO/TS 16610-49:2006-11 (E)

## Geometrical product specifications (GPS) - Filtration - Part 49: Morphological profile filters: Scale space techniques

## Contents

Page


Foreword ..... iv

Introduction ..... vi

1 Scope ..... 1

2 Normative references ..... 1

3 Terms and definitions ..... 1

4 General scale space background ..... 2
4.1 General ..... 2
4.2 Size and anti-size distributions ..... 3
4.3 Alternating symmetrical filters ..... 3
4.4 Nested mathematical models ..... 4

5 Recommendations ..... 5
5.1 Circular disk structuring element ..... 5
5.2 Horizontal line structuring element ..... 5
5.3 Default scale space technique ..... 5

6 Filter designation ..... 5

Annex A (informative) Illustrative examples of scale space ..... 6

Annex B (informative) Concept diagram ..... 14

Annex C (informative) Relationship to the filtration matrix model ..... 15

Annex D (informative) Relationship to the GPS matrix model ..... 16

Bibliography ..... 17