ISO/TS 16610-30:2009-03 (E)

Geometrical product specifications (GPS) - Filtration - Part 30: Robust profile filters: Basic concepts

Contents

Page

Foreword iv

Introduction vi

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Robustness 5
4.1 General 5
4.2 Metric-based methods 6
4.3 Statistical-based methods 6
4.3.1 General 6
4.3.2 M-estimator 6
4.3.3 Bayesian estimator 6
4.4 Pre-processing methods 6
4.4.1 General 6
4.4.2 Scale-space pre-processing 7
4.4.3 Wavelet pre-processing 7

Annex A (informative) Illustrative data sets -- Input of profile discontinuities 8

Annex B (informative) Concept diagram 11

Annex C (informative) Relationship to the filtration matrix model 12

Annex D (informative) Relation to the GPS matrix model 13

Bibliography 14