

ICS 17.040.20

CCS J 04



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/Z 26958.30-2017

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

Issued on: February 28, 2017

Implemented on: September 1, 2017

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China, Standardization
Administration of the People's Republic of China**

Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

Foreword

GB /Z 26958 "Product Geometry (GPS) Filter" has been published in the following 10 sections.

- Part 1. Overview and basic concepts;
- Part 20. Basic concepts of linear contour filters;
- Part 22. Linear contour filter spline filter;
- Part 29. Linear contour filter spline wavelet;
- Part 30. Robust contour filter basic concepts;
- Part 31. Robust contour filter Gaussian regression filter;
- Part 32. Robust contour filter spline filter;
- Part 40. Morphological contour filter basic concepts;
- Part 41. Morphology contour filter disk and horizontal line segment filter;
- Part 49. Morphology contour filter scale space technology.

This section GB /Z 26958 part 30.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with ISO /T S16610-30.2009 "Product Geometrical Specifications (GPS) filtering Part 30

Points. Robust contour filter basic concepts. "

GB /Z 26958 corresponds to ISO /T S16610, the current ISO /T S16610 includes 89 parts, has been transformed into national standards guidance

Technical documents have the above 10 sections.

Please note that some of this document may be patentable. The issuing agencies of this document do not bear the responsibility of identifying these patents.

This part of the National Product Geometrical Specifications Standardization Technical Committee (SAC/TC240) and focal point.

This part of the drafting unit. Machine Productivity Promotion Center, Harbin Measuring and Cutting Tool Group Co., Ltd., Huazhong University of Science and Technology, Beijing

On behalf of the peak Technology Co., Ltd., China Institute of Measurement.

1 Scope

GB /Z 26958 provisions of this part of the basic concepts of robust contour filter.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

Geometrical product specifications (GPS) filtering Part 1. Overview and basic concepts (ISO /TS 26958.1-2011

16610-1.2006, IDT)

Geometrical product specifications (GPS) filtering Part 20. Basic outline of linear filter

Reading (ISO /T S16610-20.2006, IDT)

ISO /IEC Guide 99.2007 International metrology vocabulary basic and common concepts and terms [Internationalvocabularyof

metrology-Basic and general criteria and associated devices (VIM)]

3 Terms and definitions

ISO /IEC Guide 99, GB /Z 26958.1 and GB /Z 26958.20 and the following terms and definitions apply to this document.

3.1

Robustness

The output data is not sensitive to the special phenomena in the input data.

Note. Special phenomena such as outliers, scratches, steps, etc.

[GB /Z 26958.1, definition 3.9].

3.2

Contour discontinuity profile discontinuity

Contour part of the sudden change in profile characteristics.

3.2.1

Slope discontinuity slope discontinuity

Contour discontinuities created by abrupt changes in profile slope (3.2).

see picture 1.