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BSI Standards Publication

Geometrical product specifications (GPS) — Filtration

Part 62: Linear areal filters: Spline filters

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The UK participation in its preparation was entrusted to Technical Committee TPR/1, Technical Product Realization.

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European foreword

This document (EN ISO 16610-62:2023) has been prepared by Technical Committee ISO/TC 213 "Dimensional and geometrical product specifications and verification" in collaboration with Technical Committee CEN/TC 290 “Dimensional and geometrical product specification and verification” the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2023, and conflicting national standards shall be withdrawn at the latest by September 2023.

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The text of ISO 16610-62:2023 has been approved by CEN as EN ISO 16610-62:2023 without any modification.

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Foreword

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Introduction

This document is a geometrical product specification (GPS) standard and is to be regarded as a general GPS standard (see ISO 14638). It influences chain link C on feature properties in the GPS matrix model.

The ISO GPS matrix model given in ISO 14638 gives an overview of the ISO GPS system, of which this document is a part. The fundamental rules of ISO GPS given in ISO 8015 apply to this document and the default decision rules given in ISO 14253-1 apply to specifications made in accordance with this document, unless otherwise indicated.

For more information on the relationship of this document to the filtration matrix model, see Annex A.

For more detailed information of the relation of this document to other standards and the GPS matrix model, see Annex B.

This document specifies the terminology and concepts for linear areal spline filters. It specifies how to separate long- and short-wave components of a surface with a global shape retainment.

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