

DIN EN ISO 16610-29:2016-04 (E)

Geometrical product specifications (GPS) - Filtration - Part 29: Linear profile filters: Spline wavelets (ISO 16610-29:2015)

| Contents | Page |
|--|-------------|
| European foreword | 3 |
| Foreword | 4 |
| Introduction | 6 |
| 1 Scope | 7 |
| 2 Normative references | 7 |
| 3 Terms and definitions | 7 |
| 4 General wavelet description | 9 |
| 4.1 General | 9 |
| 4.2 Basic usage of wavelets | 9 |
| 4.3 Wavelet transform | 10 |
| 4.4 Spline wavelets | 10 |
| 4.5 Nested mathematical models | 11 |
| 5 Recommendations | 11 |
| 5.1 Spline wavelet | 11 |
| 6 Filter designation | 11 |
| Annex A (normative) Family of interpolating spline wavelets | 12 |
| Annex B (informative) Examples of the application of cubic of interpolating spline wavelets | 16 |
| Annex C (informative) Concept diagram | 20 |
| Annex D (informative) Relationship to the filtration matrix model | 21 |
| Annex E (informative) Relation to the GPS matrix model | 22 |
| Bibliography | 24 |