

# ISO 16610-29:2015-05 (E)

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

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		vi
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	General wavelet description .....	3
4.1	General .....	3
4.2	Basic usage of wavelets .....	3
4.3	Wavelet transform .....	4
4.4	Spline wavelets .....	4
4.5	Nested mathematical models .....	5
5	Recommendations .....	5
5.1	Spline wavelet .....	5
6	Filter designation .....	5
Annex A (normative) Family of interpolating spline wavelets .....		6
Annex B (informative) Examples of the application of cubic of interpolating spline wavelets .....		10
Annex C (informative) Concept diagram .....		14
Annex D (informative) Relationship to the filtration matrix model .....		15
Annex E (informative) Relation to the GPS matrix model .....		16
Bibliography .....		18