

# ISO 18431-3:2014-03 (E)

## Mechanical vibration and shock - Signal processing - Part 3: Methods of time-frequency analysis

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Symbols .....	2
5	Time-frequency transforms .....	2
5.1	Short-time Fourier transform .....	2
5.2	Generalized Wigner-Ville transform .....	3
5.3	Wavelet transform .....	4
Annex A (informative) Analysis of gear tooth fault using Wigner distribution .....		5
Bibliography .....		7