

ISO 2631-5:2004-02 (E)

Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 5: Method for evaluation of vibration containing multiple shocks

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions, symbols and subscripts	1
3.1	Terms and definitions	1
3.2	Symbols and subscripts	2
4	Vibration measurement	2
5	Determination of the spinal response acceleration dose	3
5.1	General	3
5.2	Computation of spinal response	3
5.3	Calculation of acceleration dose	5
5.4	Flowchart for calculation of the acceleration dose	5
5.5	Relationship between acceleration dose and adverse health effects	6
	Annex A (informative) Guidance for assessment of health effects of multiple shocks	7
	Annex B (informative) Effects of multiple shocks and of posture in the lumbar spine	11
	Annex C (informative) Recurrent artificial neural network used to model the lumbar acceleration response to z-axis multiple shocks	12
	Annex D (informative) Development of programs for calculation of response and dose	13
	Bibliography	20