

ISO 5982:2001-11 (E)

Mechanical vibration and shock - Range of idealized values to characterize seated-body biodynamic response under vertical vibration

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative reference	1
3	Terms and definitions	2
4	Driving-point mechanical impedance and apparent mass of the seated body under vertical vibration	3
4.1	Definition of values of driving-point mechanical impedance and apparent mass	3
4.2	Applicability of values of driving-point mechanical impedance and apparent mass	3
5	Seat-to-head transmissibility of the seated human body under vertical vibration	8
5.1	Definition of values of seat-to-head transmissibility	8
5.2	Applicability of values of seat-to-head transmissibility	8
6	Applications	11
6.1	Model of the seated human body	11
6.2	Computation of biodynamic response functions for fixed body masses	11
Annex A (informative)	Identification of the data used to define the range of idealized driving-point mechanical impedance/apparent mass and seat-to-head transmissibility data	12
Annex B (informative)	Model	15
Annex C (informative)	Mathematical expressions for the mean (target) biodynamic response functions	19
Annex D (informative)	Model computed values of response functions for fixed body masses	23
Bibliography		27