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Ergonomics of human-system interaction —

Part 514: Guidance for the application of anthropometric data in the ISO 9241- 500 series



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Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Accommodation estimates are statistical inferences based on samples drawn from the intended user population	2
4.1 Population samples.....	2
4.1.1 Samples.....	2
4.1.2 Weighting.....	2
4.2 Univariate accommodation estimates.....	2
4.3 Multivariate accommodation estimates.....	3
4.3.1 Virtual fit test (VFT).....	3
4.3.2 Principal component analysis (PCA) and boundary cases.....	4
4.3.3 Dealing with limited data.....	5
4.3.4 Estimating concurrent accommodation for two or more variables using percentile values.....	5
4.3.5 Estimating concurrent accommodation for two or more variables using percentile values.....	6
4.3.6 Z-score multipliers in addition and subtraction of percentile values.....	6
Bibliography	8

Foreword

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This document was prepared by Technical Committee 159, *Ergonomics*, Subcommittee SC 4, *Ergonomics of human-system interaction*.

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Introduction

The use of interactive systems takes place within a physical environment. The design of the physical environment is decisive with regard to the outcome of the interaction between a variety of sizes of users and the physical environment. As described in the system concept of ISO 26800, the physical environment is embedded in an organizational and a social and cultural environment.

This document deals with the physical environment in which a physically diverse user group is assigned to one or more workplaces, or spatial environments, to accomplish a task. The entirety of the spatial environments assigned to a user is called environment of use. The relevant physical attributes of the environment of use include issues such as air quality, thermal conditions, lighting, noise, spatial layout and furniture. Specifically, this document discusses concepts for the spatial layout of workplaces so that they match the physical anthropometric characteristics of the intended user population.