

ISO/TR 23672:2026-03 (E)

Ergonomics of the thermal environment: Adaptive methods for achieving thermal comfort

Contents

Page

| | |
|--|-----------|
| Foreword..... | iv |
| Introduction..... | v |
| 1 Scope..... | 1 |
| 2 Normative references..... | 1 |
| 3 Terms and definitions..... | 1 |
| 4 Approaches to adaptive thermal comfort models..... | 3 |
| 5 Regression based adaptive comfort models..... | 3 |
| 5.1 Background and model formulation..... | 3 |
| 5.2 Model development..... | 4 |
| 5.3 Values for model coefficients..... | 4 |
| 5.4 Model application in national and international standards..... | 4 |
| 6 Adaptive PMV (aPMV) model..... | 5 |
| 6.1 General..... | 5 |
| 6.2 Background and model formulation..... | 5 |
| 6.3 Model development..... | 7 |
| 6.4 Values for model coefficients..... | 8 |
| 6.5 Model application in national and international standards..... | 8 |
| 7 The adaptive thermal heat balance (ATHB) model..... | 8 |
| 7.1 General..... | 8 |
| 7.2 Background and model formulation..... | 8 |
| 7.3 Model development..... | 9 |
| 7.4 Values for model coefficients..... | 9 |
| 7.5 Model application in national and international standards..... | 9 |
| Annex A (informative) Derivation and recommendations of adaptive coefficients for aPMV..... | 10 |
| Annex B (informative) Derivation of equations and coefficients for ATHB_{PMV}..... | 12 |
| Bibliography..... | 15 |