

ISO/TS 17865:2016-08 (E)

Geometrical product specifications (GPS) - Guidelines for the evaluation of coordinate measuring machine (CMM) test uncertainty for CMMs using single and multiple stylus contacting probing systems

| Contents | | Page |
|--------------------|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Test value uncertainty evaluation | 2 |
| 4.1 | Effects of fixturing and bending of the test sphere stem | 2 |
| 4.2 | Form of the test sphere | 2 |
| 4.3 | Test of the probing system form error | 2 |
| 4.4 | Test of the probing system size value | 3 |
| 4.5 | Test of the probing system location value | 4 |
| | Annex A (informative) Using roundness to approximate form | 5 |
| | Annex B (informative) Relation to the GPS matrix model | 7 |
| | Bibliography | 8 |