

CONTENTS

Chapter

| | |
|---|-----|
| 1. Friction and lubrication of synthetic fibers | 1 |
| 2. Surface properties of cotton fibers | 67 |
| 3. Surface properties of wool fibers | 109 |
| 4. Surface geometry of synthetic fibers | 165 |
| 5. Abrasion of textile surfaces | 193 |
| 6. Resistivity and static behavior of textile surfaces | 225 |
| 7. Scanning electron microscopy of synthetic fibers | 295 |
| 8. Applications of the ATR technique to the study of fiber and fabric surfaces | 329 |
| 9. Effect of photochemical and environmental degradation on the surface properties of textile fibers | 365 |
| 10. Color of fibers and fabrics | 387 |

CONTENTS

Chapter

| | |
|--|-----|
| 11. The wetting of fibers | 417 |
| 12. Soil release by textile surfaces | 447 |
| 13. Stain and water repellency of textiles | 495 |
| 14. Surface properties of glass fibers | 525 |
| 15. The role of friction in the mechanical behavior of fabrics | 563 |
| 16. Surface properties in relation to the bonding of nonwovens | 577 |
| Author index for parts I and II | 633 |
| Subject index for parts I and II | 661 |