

Contents

Volume 6

Preface v

Contents vii

25. J. P. Hirth and D. A. Rigney
The application of dislocation concepts in friction and wear 1
 26. Campbell Laird
The application of dislocation concepts in fatigue 55
 27. C. A. B. Ball and J. H. van der Merwe
The growth of dislocation-free layers 121
 28. V. I. Startsev
Dislocations and strength of metals at very low temperatures 143
 29. A. C. Anderson
The scattering of phonons by dislocations 235
 30. J. G. Byrne
Dislocation studies with positrons 263
 31. H. Neuhäuser
Slip-line formation and collective dislocation motion 319
 32. J. Th. M. De Hosson, O. Kanert and A. W. Sleeswyk
Dislocations in solids investigated by means of nuclear magnetic resonance 441
- Author index* 535
- Subject index* 553