

Trade, growth and technical change

Edited by
DANIELE ARCHIBUGI
and
JONATHAN MICHIE

 **CAMBRIDGE**
UNIVERSITY PRESS

Contents

| | |
|---|------|
| <i>List of contributors</i> | ix |
| <i>Foreword</i> , by NATHAN ROSENBERG | xi |
| <i>Acknowledgements</i> | xiii |
| <i>List of abbreviations</i> | xv |
| | |
| 1 Trade, growth, and technical change: what are the issues? DANIELE ARCHIBUGI AND JONATHAN MICHIE | 1 |
| 2 The economics of technical change CHRISTOPHER FREEMAN | 16 |
| 3 Uneven (and divergent) technological accumulation among advanced countries: evidence and a framework of explanation PARIMAL PATEL AND KEITH PAVITT | 55 |
| 4 Technology and growth in OECD countries, 1970–1990 MARIO PIANTA | 83 |
| 5 R&D activity and cross-country growth comparisons MAURY GITTLEMAN AND EDWARD N. WOLFF | 98 |
| 6 Aggregate convergence and sectoral specialisation in innovation: evidence for industrial countries DANIELE ARCHIBUGI AND MARIO PIANTA | 122 |
| 7 International patterns of technological accumulation and trade GIOVANNI AMENDOLA, PAOLO GUERRIERI AND PIER CARLO PADOAN | 141 |

| | | |
|----|---|-----|
| 8 | Trade on high-technology markets and patent statistics – leading-edge versus high-level technology HAROLF GRUPP AND GUNNAR MÜNT | 168 |
| 9 | High-technology industries and international competition PAOLO GUERRIERI AND CARLO MILANA | 188 |
| 10 | User–producer interaction, learning and comparative advantage JAN FAGERBERG | 208 |
| | <i>References</i> | 226 |
| | <i>Index</i> | 268 |