

## CONTENTS

Preface to the series .....	vii
Preface .....	ix
1. Experiments on charge imbalance in superconductors .....	1
<i>John Clarke</i>	
2. Nonequilibrium phenomena in superconducting weak links .....	65
<i>L.G. Aslamazov and A.F. Volkov</i>	
3. Time-dependent superconductivity in SNS bridges: an example of TDGL theory .....	111
<i>A.L. De Lozanne and M.R. Beasley</i>	
4. Pair breaking in nonequilibrium superconductors .....	129
<i>J. Beyer, C.J. Pethick, J. Rammer and H. Smith</i>	
5. Experimental study of enhanced superconductivity .....	163
<i>V.M. Dmitriev, V.N. Gubankov and F.Ya. Nad'</i>	
6. Theory of superconductivity stimulation .....	211
<i>G.M. Eliashberg and B.I. Ivlev</i>	
7. Dynamical effects in nonequilibrium superconductors: some experimental perspectives .....	253
<i>A.M. Kadin and A.M. Goldman</i>	
8. Nonequilibrium properties of superconductors (transport equation approach) .....	325
<i>A.G. Aronov, Yu.M. Gal'perin, V.L. Gurevich and V.I. Kozub</i>	
9. The kinetic theory of superconductors with excess quasiparticles ..	377
<i>V.M. Galitskii, V.F. Elesin and Yu.V. Kopaev</i>	
10. Kinetic equations in superconducting thin films .....	453
<i>Jhy-Jiun Chang</i>	
11. Vortex motion in superconductors .....	493
<i>A.I. Larkin and Yu.N. Ovchinnikov</i>	
12. Theory of the resistive state in narrow superconducting channels ..	543
<i>V.P. Galaiko and N.B. Kopnin</i>	
13. Collective modes in superconductors .....	589
<i>G. Schön</i>	
14. Resistive states of type-I superconductors .....	641
<i>V.T. Dolgopolov and I.L. Landau</i>	
Author index .....	687
Subject index .....	701
Cumulative index .....	705