CONTENTS

PREFACE		ix
I.	WHY SUPERSYMMETRY?	3
II.	REPRESENTATIONS OF THE SUPERSYMMETRY ALGEBRA	11
III.	COMPONENT FIELDS	21
IV.	SUPERFIELDS	25
V.	SCALAR SUPERFIELDS	30
VI.	VECTOR SUPERFIELDS	36
VII.	GAUGE INVARIANT INTERACTIONS	43
VIII.	SPONTANEOUS SYMMETRY BREAKING	51
IX.	SUPERFIELD PROPAGATORS	61
X.	FEYNMAN RULES FOR SUPERGRAPHS	79
XI.	NONLINEAR REALIZATIONS	88
XII.	DIFFERENTIAL FORMS IN SUPERSPACE	93
XIII.	GAUGE THEORIES REVISITED	101
XIV.	VIELBEIN, TORSION, AND CURVATURE	109
XV.	BIANCHI IDENTITIES	117
XVI.	SUPERGAUGE TRANSFORMATIONS	127
XVII.	THE $\theta = \overline{\theta} = 0$ COMPONENTS OF THE VIELBEIN, CONNECTION, TORSION, AND CURVATURE	132
XVIII.	THE SUPERGRAVITY MULTIPLET	140
XIX.	CHIRAL AND VECTOR SUPERFIELDS	_ 10
	IN CURVED SPACE	146