Table of Contents

Int			
<u>ı.</u>			
	1.	The Equations of Selection, Recombination and Mutation.	5
	2.	Multivariate Analysis and Types of Epistasis.	11
	3.	Euclidean Vector Spaces and Riemannian Manifolds.	17
	4.	The Shahshahani Metric.	37
	5.	The Product Theorems and Epistasis.	43
	6.	The Selection Field.	51
	7.	The Recombination Field.	58
	8.	The Mutation Field.	64
	9.	The Combined Field.	67
II. The Geometry of Epistasis		80	
	1.	Orthogonal Decompositions.	80
	2.	The Product Model.	91
<u>III</u>	. Sele	ection, Recombination and Mutation	119
	1.	Selection and Epistasis.	119
	2.	Recombination and Entropy.	134
	3.	Recombination and Epistasis.	145
	4.	Position Effects.	153
	5.	Mutation.	160
IV.	The E	Topf Bifurcation	173
	1.	The Hessian.	173
	2.	The Wright Conjecture.	181

Appendix			191
	1.	Proper Mappings.	191
	2.	Partially Defined Distributions.	194
	3.	Game Dynamics	197
Biblio	grap	hy	201
Index			204