

CONTENTS

Introduction.....	1
§1. Parametric surfaces: local theory	3
§2. Non-parametric surfaces	15
§3. Surfaces which minimize area	20
§4. Isothermal parameters	27
§5. Bernstein's theorem	34
§6. Parametric surfaces: global theory Generalized minimal surfaces. Complete surfaces	43
§7. Minimal surfaces with boundary Plateau problem. Dirichlet problem	53
§8. Parametric surfaces in E^3 . The Gauss map.....	63
§9. Surfaces in E^3 . Gauss curvature and total curvature..	75
§10. Non-parametric surfaces in E^3 Removable singularities. Dirichlet problem.....	91
§11. Application of parametric methods to non-parametric problems. Heinz' inequality. Exterior Dirichlet problem	105
§12. Parametric surfaces in E^n : generalized Gauss map.	117
Appendix 1. List of theorems.....	129
Appendix 2. Generalizations.....	135
References.....	143