CONTENTS.

INTRODUCTION.

CHAPTER I.

SYSTEMS OF COORDINATES.

CHAPTER II.

THE LINEAR COMPLEX.

CHAPTER III.

SYNTHESIS OF THE LINEAR COMPLEX.

CHAPTER IV.

SYSTEMS OF LINEAR COMPLEXES.

CHAPTER V.

RULED CUBIC AND QUARTIC SURFACES.

CHAPTER VI.

THE QUADRATIC COMPLEX.

CHAPTER VII.

SPECIAL VARIETIES OF THE QUADRATIC COMPLEX.

CHAPTER VIII.

THE COSINGULAR COMPLEXES.

CONTENTS

CHAPTER IX.

POLAR LINES, POINTS, AND PLANES.

CHAPTER X.

REPRESENTATION OF A COMPLEX BY POINTS OF SPACE.

CHAPTER XI.

THE GENERAL EQUATION OF THE SECOND DEGREE.

CHAPTER XII.

CONNEXION OF LINE-GEOMETRY WITH SPHERE-GEOMETRY.

CHAPTER XIII.

CONNEXION OF LINE-GEOMETRY WITH HYPERGEOMETRY.

CHAPTER XIV.

CONGRUENCES OF LINES.

CHAPTER XV.

CONGRUENCES OF THE SECOND ORDER WITHOUT SINGULAR CURVES.

CHAPTER XVI.

THE CONGRUENCE OF THE SECOND ORDER AND SECOND CLASS.

CHAPTER XVII.

THE GENERAL COMPLEX.

CHAPTER XVIII.

DIFFERENTIAL EQUATIONS CONNECTED WITH THE LINE COMPLEX.