TABLE OF CONTENTS

EDITORIAL NOTE		V
FOREWORD		IX
INTRODUCTION		XIII
I.	The Historical Significance of the Idea of Geometrical Analysis	1
II.	Pappus on the Direction of Analysis and Synthesis	7
III.	What Pappus Says and What He Does: A Comparison and an Example	22
IV.	Analysis as Analysis of Figures: The Logic of the Analytical Method	31
v.	The Role of Auxiliary Constructions	41
VI.	The Problem of the 'Resolution'	49
VII.	Analysis as Analysis of Figures: Pappus' Terminology and His Practice	70
VIII.	Pappus and the Tradition of Geometrical Analysis	84
IX.	On the Significance of the Method of Analysis in Early Modern Science	105
	APPENDIX I	
ÁRPÁD K. SZABÓ / Working Backwards and Proving by Synthesis		118
	APPENDIX II	
Reply to Professor Szabó		131
NDEX OF NAMES		136
NDEX OF SUBJECTS		138
NDEX OF PASSAGES		141