

TABLE OF CONTENTS

Chapter

1	Introduction	1
	1.1 Characterization of the exponential distribution by the lack of memory property	5
2	Characterization Problems in the Class of Distributions with a Monotone Failure Rate	14
3	Some Properties of Order Statistics	24
4	Characterization of the Exponential Distribution by an Independent Function of its Order Statistics	31
5	Characterization of the Exponential Distribution by a Property of its Order Statistics	42
6	Characterizations of the Distributions by Moment Properties of Order Statistics	56
7	Characterization Problems of the Geometric Distribution	68
8	Characterization of the Exponential Distribution using the Geometric Distribution	79
9	Multivariate Exponential Distributions and their Characterizations	86
	Appendix	100
	Comments	113
	Bibliography	119
	Author Index	134