

: C O N T E N T S :

Chapter No.	T I T L E	Page No.
	CONVENTIONS AND SYMBOLS	
O	MATHEMATICAL PRELIMINARIES	1
	1 : Introduction	1
	2 : Riemann Christoffel curvature tensor	1
	3 : Congruence and associated parameters	2
	4 : Tetrad formalism	5
	5 : Special types of flows	11
I	CHARACTERIZATION OF THE MAGNETOFLUID SCHEME	
	1 : Introduction	16
	2 : Energy momentum tensor	19
	3 : Field equations	26
	4 : Space-symmetries	29
II	SYSTEM OF STREAMLINES	
	1 : Introduction	33
	2 : Differential identities	34
	3 : Study of typical flows	40
III	P - SPACE FOR THE MAGNETOFLUID	
	1 : Introduction	44
	2 : Space matter current tensor	45
	3 : Consequences of p-space through kinematical parameters.	50
	4 : Consequences of fluid flows	54
