CONTENTS

		Page No.
SYNOPSI	s	1
Chapter	I - INTRODUCTION	1
1.1	Background.	
1.2	Formulation of the theory of hypo- elasticity and its main features.	
1.3	Hypo-elasticity and other theories.	
1.4	Fluent bodies.	
Chapter	II - HYPO-ELASTIC FLEXURE	18
2.1	Basic equations.	
2.2	Flexure problem.	
2.3	Remarks.	
Chapter	III - HYPO-ELASTIC STRAIN IN A ROTATING SHAFT AND A SPHE- RICAL SHELL	39
3.1	Hollow shaft.	
3.2	Solid shaft.	
3.3	Spherical shell.	
3.4	Remerks.	
Chapter	IV - SOME PROBLEMS IN HYPO-ELASTICITY	Y 55
4.1	Basic equations.	
4.2	Solid rotating shaft.	
4.3	Combined tension and torsion of a thin cylindrical tube.	
4.4	Pure shear under loading.	
4.5	Remarks.	

		Page No.
Chapter	V - HYPO-ELASTIC BODIES AS DISTINGUISHED FROM FLUENT BODIES	72
5.1	Hypo-elastic and fluent bodies.	
5.2	Basic equations for linear fluent bodies.	
5.3	Steady flow past a fixed sphere.	
5.4	Remarks.	
CONCLUD	ING REMARKS	81
BIBLICG	RAPHY	82