

CONTENTS

CONTENTS

| CHAPTER | TITLE | PAGE |
|---------|--|------|
| | Abstract | |
| I | Introduction | 1 |
| II | Review of Literature | 22 |
| III | Stability of Stratified Shear Flows | 35 |
| IV | Effect of Magnetic Field on Stratified Shear Flows | 65 |
| V | Stability of Stratified Rotating Linear Shear Flow | 99 |
| VI | Stability of Rotating non- parallel Shear Flows | 116 |
| VII | Stability of Rotating Unbounded Non Parallel Shear Flows | 135 |
| VIII | Stability of Thermally Driven Shear Flows In Long Inclined Cavities With End-to-End Temperature Difference | 153 |
| IX | Concluding Remarks | 179 |