

## CONTENTS

<b>Preface</b>		<b>vii</b>
<b>Chapter 1</b>	Consideration of the Problems of Gravitational Optics and Dark Matter Based on the Crystal Model of the Vacuum <i>Evgeny V. Chensky</i>	<b>1</b>
<b>Chapter 2</b>	Origin of the Saturn Rings: Electromagnetic Model of the Sombrero Rings Formation <i>Vladimir V. Tchernyi (cherny)</i>	<b>37</b>
<b>Chapter 3</b>	High Speed Flowfield Analysis for Satellite Launch Vehicle and Reentry Capsule <i>R. C. Mehta</i>	<b>51</b>
<b>Chapter 4</b>	MHD Flow of a Micropolar Fluid with Asymmetric Wall Temperatures <i>S. K. Ravi, A. K. Tiwari and R. K. Singh</i>	<b>99</b>
<b>Chapter 5</b>	Na and Hansen's Procedure for Solving the MHD Flow around a Cylinder in Crossed Electric and Magnetic Fields <i>Mina B. Abd- el - Malek and Samy M. A. El-Mansi</i>	<b>109</b>
<b>Chapter 6</b>	A Unified Approach to Analytical Solution of an Unsteady Mhd Generalized Couette Flow with Transpiration <i>Basant K. Jha and Haruna M. Jibril</i>	<b>143</b>
<b>Chapter 7</b>	Unsteady MHD Two Phase Flow: A Greens Function Approach <i>Basant K. Jha and Haruna M. Jibril</i>	<b>153</b>
<b>Chapter 8</b>	A Note on Thermonuclear Hot Big Bang with Reference to Controlled Fusion of the Sun <i>S. K. Ghosh and O. Anwar Bég</i>	<b>165</b>
<b>Chapter 9</b>	Large Hydromagnetic Mixed Convection Flow of Viscous Incompressible Fluid Past a Magnetized Vertical Porous Plate <i>Muhammad Ashraf and Md. Anwar Hossain</i>	<b>171</b>
<b>Index</b>		<b>189</b>