Table of contents

CHAPTER -3   **[28-49]**

Nucleus-acoustic wave dynamics in gyrogravitating electrospherically confined degenerate quantum plasmas

CHAPTER-4   **[50-71]**

Behaviours of ion-acoustic waves in relativistic gyromagnetoactive quantum plasmas

CHAPTER -5   **[72-107]**

Nucleus-acoustic waves in ONe and CO white dwarf cores and nearly degenerate envelopes

CHAPTER-6   **[108-142]**

Acoustic stability of astrophysical gyromagnetoactive viscous cylindrical plasmas

CHAPTER -7   **[143-149]**

Conclusions and future prospects