

# Contents

Foreword	vii
1. Unexpected Encounter	1
2. What is a Pulsar?	4
3. Mischievous Ball	7
4. Misha and Sasha	20
5. Playing Billiards	25
6. Stubborn Fountains	32
7. In the Country of Anisotropic Masses	46
8. Matter in a Superstrong Magnetic Field	60
9. Neutron Star	74
10. Physics of the Pulsar	82
11. Non-linearity and Self-organization	90

12. On the Pulsar	108
Appendix	119
Index	133