**Summary**

The text in question is called "gravitational waves". The text is dedicated to the discovery of gravitational waves . The text begins with Albert Einstein's theory of the existence of gravitational waves. The author touches upon the research of gravitational waves and the creation of ultra-sensitive equipment for their measurement. The author introduces the concepts of a black hole and gives them a definition. The text is divided between the first discoveries of gravitational waves and the scientific breakthrough in understanding the universe.The text ends with the award of the title" Breakthrough of the Year " to the discovery of Ligo.