The text under consideration is entitled «Gravitational waves». The text is dedicated to the discovery of gravitational waves by the LIGO and VIRGO collaborations and their research. The author touches upon the research of gravitational waves , as well as the creation of ultra-sensitive equipment for their measurement.The author introduces the concepts of the existence of gravitational waves and defines them. The text is divided between the first discoveries of gravitational waves and the scientific breakthrough in understanding the universe. The text ends with the words of the editor of Physics World Hamish Johnston about the opening of the award " Breakthrough of the Year"

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