## 2007 Vol. 47 No. 5 pp. 851-860 DOI:

## On the Possibility to Construct Gravitational Eye

CHEN Ying-Tian

Department of Astronomy and Applied Physics, University of Science and Technology of China, Hefei 230026, China Institute of Theoretical Physics, the Chinese Academy of Sciences, Beijing 100080, China Cavendish Laboratory, University of Cambridge, Cambridge, U.K. (Received: 2005-9-1; Revised: )

Abstract: The possibility of modifying a conventional Cavendish torsion pendulum into a halfarmed pendulum oscillator to measure the horizontal gravitational acceleration is discussed. A new kind of gravitational detector, gravieye, as we named, can be made by a proper combination of such oscillators to "see" remote objects and to be used, e.g. to detect the movement of huge mass at a long distance.

PACS: 04.80.Cc Key words: gravitational eye, Cavandish torsion pendulum, gravitational experiment, gravieye

[Full text: PDF]

Close