Gravitational Acceleration Accurately Determined Zheng-Hao Huang(黃政豪), Yu-Chun Hsu(許鈺駿) Instructor: Yung-Fu Chen(陳永富), TA: Yu-Ting Lin(林侑鋌) **Experimental Physics II, Department of Physics, National Central University**

Motivation

- To measure the acceleration of gravity at a location as much precision as possible.
- To define a real pendulum is not so easily as a simple pendulum.
- To make a high precision measurement of g without too many complicated variables.



By Kater's Pendulum Setup





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