

## **Experiment with Water in a Tumbler - NAEST 2020**

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### **Problem Statement:**

In this experiment you will explore the relation between  $u$  and  $v$  for a thick convex lens. It will be water in a cylindrical vessel/tumbler or pot. Though the lens so formed is not spherical, but if the rays are collected in a *horizontal* plane, one can still use  $u$ -  $v$  relations and see the effect of the thickness of the lens.

(Experiment in Prelims of National Anveshika Experimental Skill Test 2020)