

Floating waterdrops using a straw commutator

*Aoba Takahara¹, Yuri Yasui¹, Takaya Sato¹

1. Niigata Prefectural Takada high school

At the previous research, the experiment of floating a seed of *Acer Rubrum* was done. We thought of floating waterdrops in the same way. We replaced a sirocco fan with a blower in order to increase the wind speed, and we did the experiment. After controlling the wind speed by changing the length of straws, we found that the wind speed which could float waterdrops was about from 6.5m/s to 8.2m/s. However the wind speed distribution was far from our expectation because we made a lot of error. From now on, we need to devise the wind speed and the distribution so that we can float waterdrops for a long time.

Keywords: Meteorology