



Snow Density Experiments using Natural and Artificial Snow

Gunhui Chung

Hoseo University, Civil Engineering, Korea, Republic Of (gunhuic@gmail.com)

Under the climate change condition, the concern about snow disaster has been increased in South Korea. Therefore, the design criteria considering snow weight has been enhanced for the building and greenhouses. However, the snow density is not the same under the different weather condition such as temperature and humidity. Also, the snow is compressed depending on the snow depth. Therefore, experiments were implemented to evaluate snow density under the different weather condition and snow depth. The results could be applied in the building codes for the more accurate and safe design.

Acknowledgement

This research was supported by the National Research Foundation of Korea(NRF) funded by the Ministry of Science and ICT(No. NRF-2017R1A2B2008828)