

## Replication of stellar color in the pinhole planetarium

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The purpose of this study is to make the pinhole planetarium, which replicates the real starry sky. There were three problems in the previously made planetarium. The first problem was about the brightness of the stars. We expressed the brightness with the size of hole, but the size of bright stars was too big. The second problem was that it took too much time to see the stars. The third problem was that all the stars were white. This study showed the improvement on these problems.

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