

Abstract Submitted  
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**Discover Mathematics in the Physical World** YAN YANG, Harvard Graduate School of Education — Playing with perspective windows generated an initial idea related to mathematics; an extended experiment with paper cards along the desk helped me to discover the geometry; reading Galileo's Sidereal Messenger allowed me to apply the geometry that I discovered to understand the magnitude of Galileo's telescope. Galileo's study of motion, like pendulum and inclined plane, deepened my (and my classmates') curiosity and fascination with his ingenious use of mathematics.

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