

**ZMATH 2007d.00477**

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**Paper moon. Simulating a total solar eclipse.**

Math. Teach. (Reston) 99, No. 5, 312-320 (2005).

Summary: This article describes a classroom activity in which a solar eclipse is simulated and a mathematical model is developed to explain the data. Students use manipulative devices and graphing calculators to carry out the experiment and then compare their results to those collected in Koolymilka, Australia, during the 2002 eclipse.

*Classification:* M54 G44

*Keywords:* astronomy; mathematical models; geometry; circles; trigonometry

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