

**ZMATH 2013f.00530**

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**Using the TI-Nspire CAS to explore areas of ellipses.**

Math. Teach. (Reston) 105, No. 5, 384-390 (2011).

Summary: Various methods of determining the area of an ellipse are discussed.

*Classification:* G70 U70

*Keywords:* rotated and translated ellipses; graphics calculators; area; conic sections; major axis; minor axis; analytic geometry; coordinate grid; computer algebra; integral calculus; intersection points;  $x$ -intercepts;  $y$ -intercepts; congruent transformations; translations; rotations; symbolic representation; graphical representation; educational media

<http://www.nctm.org/publications/article.aspx?id=31488>