

**Coll, Vincent; Davis, Jeremy; Hall, Martin; Magnant, Colton; Stankewicz, James; Wang, Hua**

**Integer solutions to box optimization problems.** (English) Zbl 1398.97033

Coll. Math. J. 45, No. 3, 180-190 (2014).

Summary: Two approaches contribute to the problem of finding integer side-lengths for open rectangular and polygonal boxes that optimize volume. One method adapts Pythagorean triples to an ellipse, while the other is based on counting factorizations.

**MSC:**

**97N60** Mathematical programming (educational aspects)

**97I40** Differential calculus (educational aspects)

**26A06** One-variable calculus

Cited in **1** Document

**Full Text:** [DOI](#)