

Doubling a Cube and Other Solid Objects

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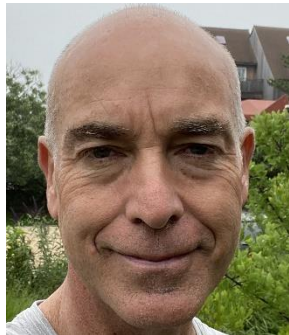
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The authors consider the well-known Delian problem of doubling a cube and look at three different interpretations of what the problem is asking. They also look at a variety of comparable problems of doubling other common solids, such as the sphere, the ellipsoid, the cylinder, the cone, and the tetrahedral pyramid.

Keywords: Delian problem, doubling a cube, doubling a sphere, doubling an ellipsoid, doubling a cylinder, doubling a cone, doubling a pyramid, square-cube law



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Michael B. (Mike) Burns, while not a professional mathematician, sees the entire world in terms of its mathematical structures. He has developed a deep appreciation for chaos theory, as well as the use of mathematics in predicting patterns in the stock market and in artificial intelligence.