Spiral Shell Drawing: Coiling Curve and Ridge Construction

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

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Worked example / complete source key

A student sets a center, chooses a starting radius of 0.6 units and an increment of 0.2 units per quarter turn. After six quarter turns, what radius should the coil reach, and what should the student check?

Answer: Radius = 0.6 + 6 × 0.2 = 0.6 + 1.2 = 1.8 units. The student should measure the drawn radius at the sixth quarter turn, compare it with 1.8 units, and confirm that ridge spacing matches the chosen interval.