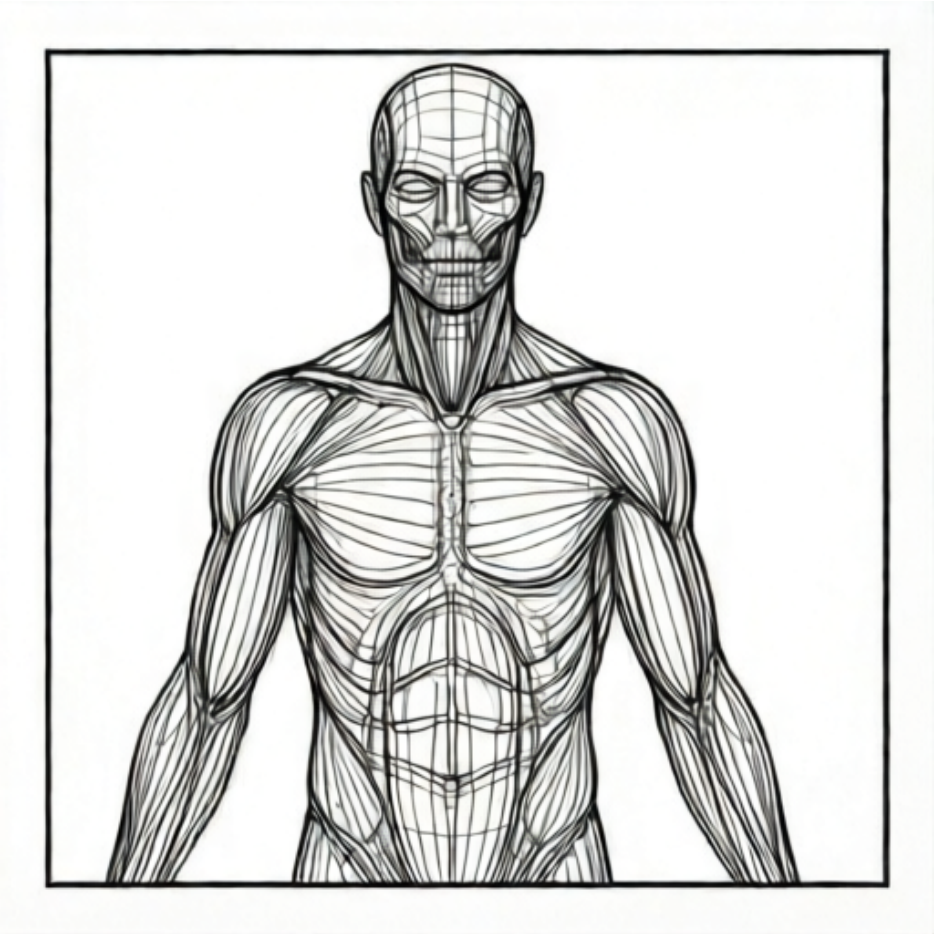
Wire Contour Drawing: Translate a Line Drawing into a Bendable Wire Plan

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.

Wire Contour Drawing: Translate a Line Drawing into a Bendable Wire Plan

Worked example / complete source key

A contour drawing of a simple leaf has a closed outline with 6 sharp direction changes and a separate straight stem. Plan the wire path: mark bend points, choose a join for the stem, and state hypothetical wire lengths. Use 2.0 mm wire for the outline and 1.5 mm for the stem. Add 10 mm handling allowance per free end.

Answer: Outline path: closed loop with 6 bend points numbered 1 to 6 in order. Stem: one straight wire joined at bend-free point A on the outline. Join method: twist. Hypothetical outline length: 180 mm plus no free ends because the loop is closed. Stem length: 40 mm plus 10 mm handling allowance at the free end = 50 mm. Total wire: 180 mm of 2.0 mm wire and 50 mm of 1.5 mm wire. Check: trace the loop on the grid, confirm 6 bends in order, and confirm the stem join sits on a straight section.