Cross-Contour Tree Drawing: Wrap Lines Around Trunk and Branches

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 trunk is 10 cm long on paper with a diameter of 4 cm. One branch is 5 cm long with a diameter of 2 cm. Using a trunk spacing of 1 cm, compute branch spacing and the number of intervals and lines for trunk and branch.

Answer: Branch spacing is 1 cm multiplied by 2/4, which equals 0.5 cm. Trunk intervals: 10 cm divided by 1 cm equals 10 intervals, so 11 lines including both ends. Branch intervals: 5 cm divided by 0.5 cm equals 10 intervals, so 11 lines including both ends. Draw 11 curved cross-contour lines on the trunk and 11 on the branch, wrapping around each form.