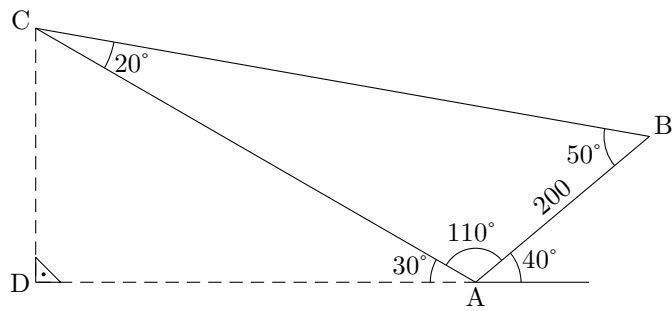


13.9



$$\widehat{ACB} = 180^\circ - (110^\circ + 50^\circ) = 20^\circ$$

$$AC = \frac{200 \cdot \sin(50^\circ)}{\sin(20^\circ)} \approx 447,95$$

$$\widehat{CAD} = 180^\circ - (40^\circ + 110^\circ) = 30^\circ$$

$$CD = AC \sin(30^\circ) \approx 447,95 \cdot \frac{1}{2} = 223,98$$

L'altitude de C vaut donc $800 + CD \approx 800 + 223,98 = 1\,023,98$ m.