



$$AC^2 = AD^2 + DC^2 - 2AD \cdot DC \cdot \cos 93^\circ$$

$$AC^2 = 71^2 + 41,5^2 - 2 \times 71 \times 41,5 \times \cos 93^\circ$$

$$= 5841,38$$

$$\text{De } AC = 76,43 \text{ m.}$$

Atre: Perimeter $ACB = 36,5 + 76,43 + 68 = 180,93$

$$p = \frac{180,93}{2} = 90,465$$

$$S_{ACB} = \sqrt{90,465 \times (90,465 - 36,5) \times (90,465 - 68) \times (90,465 - 76,43)}$$

$$= \sqrt{90,465 \times 53,965 \times 22,465 \times 14,03}$$

$$= 1240,45 \text{ m}^2$$

Perimeter $ADC = 41,5 + 71 + 76,43 = 188,93$

$$p = \frac{188,93}{2} = 94,465$$

$$S_{ADC} = \sqrt{94,465 \times (94,465 - 41,5) \times (94,465 - 71) \times (94,465 - 76,43)}$$

$$= \sqrt{94,465 \times 52,965 \times 23,465 \times 18,035}$$

$$= 1455,11 \text{ m}^2$$

De Atre: $ABCD = S_{ACB} + S_{ADC} = \underline{\underline{2695,56 \text{ m}^2}}$