

Ergebnisse zum Übungsblatt 2

$$\textcircled{1} \quad A = 6,85 \cdot 3,25 = \underline{\underline{22,26\text{m}^2}}$$

$$U = (6,85 + 3,25) \cdot 2 = \underline{\underline{20,20\text{m}}}$$

$$\textcircled{2} \quad A = 2,20 \cdot 4,45 = 9,79\text{m}^2$$

$$+ 1,60 \cdot 2,80 = 4,48\text{m}^2$$

$$\underline{\underline{14,27\text{m}^2}}$$

$$\textcircled{3} \quad A = 0,30 \cdot 0,12 = 0,036\text{m}^2$$

$$+ 0,12 \cdot 0,18 = 0,022\text{m}^2$$

$$\underline{\underline{0,058\text{m}^2}}$$

$$U = (0,30 + 0,30) \cdot 2 = \underline{\underline{1,20\text{m}}}$$

$$U = (2,20 + 1,60 + 4,45) \cdot 2 = \underline{\underline{16,50\text{m}}}$$

$$\textcircled{4} \quad A = 67,45 \cdot 49,00 / 2 = \underline{\underline{1652,53\text{m}^2}}$$

$$U = 67,45 + 49,00 + \sqrt{67,45^2 + 49,00^2} = \underline{\underline{199,82\text{m}}}$$

$$\textcircled{5} \quad A = \frac{5,40 + 3,40}{2} \cdot 3,20 = \underline{\underline{14,08\text{m}^2}}$$

$$U = 3,40 + 3,20 + 5,40 = 12,00\text{m}$$

$$+ \sqrt{2,00^2 + 3,20^2} = 3,774\text{m}$$

$$\underline{\underline{15,774\text{m}}}$$

$$\textcircled{6} \quad x = \sqrt{8,365^2 - 3,91^2} = 7,395\text{m}$$

$$A = 7,395 \cdot 3,91 / 2 = \underline{\underline{14,46\text{m}^2}}$$

$$U = 8,365 + 3,91 + 7,395 = \underline{\underline{19,67\text{m}}}$$

$$\textcircled{7} \quad A = 3,30^2 \cdot \pi / 4 = \underline{\underline{8,55\text{m}^2}}$$

$$U = 3,30 \cdot \pi = \underline{\underline{10,367\text{m}}}$$

$$\textcircled{9} \quad A = 6,10 \cdot 1,40 = 8,54\text{m}^2$$

$$+ 3,00 \cdot 2,60 = 7,80\text{m}^2$$

$$+ 4,40 \cdot 1,45 = 6,38\text{m}^2$$

$$\underline{\underline{22,72\text{m}^2}}$$

$$U = (6,10 + 1,40 + 5,45) \cdot 2 = \underline{\underline{25,90\text{m}}}$$

$$\textcircled{8} \quad A = 2,65^2 \cdot \pi / 2 = \underline{\underline{11,03\text{m}^2}}$$

$$U = 2,65 \cdot \pi + 5,30 = \underline{\underline{13,625\text{m}}}$$

$$\textcircled{12} \quad h = 2,60 - \sqrt{2,683^2 - 2,40^2} = 1,40\text{m}$$

$$A = \frac{7,20 + 2,00}{2} \cdot 2,60 = 11,96\text{m}^2$$

$$+ \frac{1,40 + 2,60}{2} \cdot 2,40 = 4,80\text{m}^2$$

$$\underline{\underline{16,76\text{m}^2}}$$

$$\textcircled{10} \quad A = 0,30 \cdot 0,41 = 0,123\text{m}^2$$

$$- 0,09 \cdot 0,19 / 2 = 0,009\text{m}^2$$

$$\underline{\underline{0,114\text{m}^2}}$$

$$U = 0,21 + 0,41 + 0,30 + 0,22 = 1,14\text{m}$$

$$+ \sqrt{0,09^2 + 0,19^2} = 0,21\text{m}$$

$$\underline{\underline{1,35\text{m}}}$$

$$U = 9,60 + 1,40 + 2,683 + 2,00 = 15,683\text{m}$$

$$+ \sqrt{5,20^2 + 2,60^2} = 5,814\text{m}$$

$$\underline{\underline{21,497\text{m}}}$$

$$\textcircled{11} \quad A = 3,50 \cdot 5,10 = 17,85\text{m}^2$$

$$+ 2,00^2 \cdot \pi / 2 = 6,28\text{m}^2$$

$$\underline{\underline{24,13\text{m}^2}}$$

$$U = 3,50 + 5,10 + 3,50 + 1,10 = 13,20\text{m}$$

$$+ 2,00 \cdot \pi = 6,283\text{m}$$

$$\underline{\underline{19,483\text{m}}}$$

$$\textcircled{13} \quad A = \frac{6,83 + 4,30}{2} \cdot 3,95 = \underline{\underline{21,98\text{m}^2}}$$

$$\textcircled{14} \quad A = \frac{51,00 + 66,00}{2} \cdot 42,50 = \underline{\underline{2486,25\text{m}^2}}$$