Assignment 7 $\frac{T_{C} + I - T_{W}}{D_{E}} = C \times \left[\frac{T_{W}}{T_{W}} - 2T_{W} + \frac{T_{W}}{T_{W}} + \frac{T_{W}}{T_{W}} \right]$ where $C = 2 - 2 \cdot (m^2 / h)$ $\frac{1}{\left(\Delta_2\right)^2} = \frac{1}{\left(\Delta_2\right)^2} \times \left[\frac{1}{\left(\Delta_2\right)^2} + \frac{1}{\left(\Delta_2\right)^2}\right]$ Where T= C06 (Dz)2 -> C = 2.2 cm²/hr, Dt = 0.02h, Da = 0.3 m (= 2.2× (0-02) = 0-48888 = 0.49 (032 Γιή++2 - Tuij = 0-49 € Tiry) -2 ij + J... $T(.)+1 = 0.49 t + 1.1 - 0 - 9.8 T_{...,1} + T_{...,1} + 0 - 49 T_{...,1}$ $T_{...,1} + 1 = 0.49 T_{...,1} + 0.02 T_{...,1} + 0.49 T_{...,1}$ Juit1 2 0-49 TITI, + (1-27 0.67) 7. + 549 TI + 1) Ar to, 204-5 T(0(,0) = 3212 NTSI TOW hhy. It = Dem $T(0,0) = 3\pi^2 = 3\chi_0^2 = 0 \text{ In } = 220$ 9l = 0 - 3(m)2(1) T(0.3,0) = 3 (0.3)2 = 0-271 for 212 21 2 2.6 $\pi_2 = (7(0.6,0) = 3(0.6) = 1-0.8$ $\pi_2 = 0.9$ xy => T(0-9,0) = 3(0-9) = 2-43 cm X21-2 Cm $242 T(1-20)D) = 3(1-2)^2 = 4-32 cm$ 2 = 1-5cm $9.551(1.5,6) = 3(1.5)^2 = 6.75$ cm X=1-8cm 567 T(1-8,0)2 3(1-8)2 - 9-7cm

2=2-1cm 74+ 2 T(2-1, 0) = 3(2-1) = 13-28 cm 2c=2.4cm28 J(2.410) = 3(2-4) 2 17-28(m 2c = 2 - 7cn26 $T(2-7,0) = 3(2.7)^2 = 21.87cm$ 24 = 3-4 cm 210 T(3-0,0) = 3(3) 2 27 cm 2c 2 3-3cm 2(1) $T(3-3,0) = 3(3-3)^2 = 32.67 cm$ $212 \Rightarrow T(3-6, 0) = 3(3-6)^2 = 38-88cm$ $\frac{2(2-3-9)}{2(3-9)} = 2(3-9)^2 = 45-6 \, \text{cm} \, \text{cm}$) 1. 2C(= 10-200 (s(1))) $2_{14} \gg T(4 \cdot 2, 0) = 3(4 - 2)^2 = 52 - 92 cm$ n=4-50, 10 1 (31:) MIS T (4-5,0) = 3(4-5)2 = 60.75cm 2(=4-scn) $2(6T(4-8)0) = 3(4-8)^{\frac{1}{2}} - 69-12cn$ $\chi = 5.1$ cm $x_{12}T(5-(1,0)) = 3(5-1)^{2} = 78-03a_{1}$ $\lambda = 5 - 4 (m)$ T(5-4,0) = 3(5.4)² = 87-48(m) 2/2(8 $2 = 5 - 7 c_{n}$ 2_{15} $T(5.7,0) = 3(5.7)^2 = 74.47 \text{ (m}$ $\chi = 6 - 0 Cm$ $2_{2}(7(6-0,0)) = 3(6-0)^{2} = 10 gm$ Second row Tijt 20.49 Titij + CI-2 Xo-49) Titij) + 0.49 11-1, j $\frac{1}{2} \quad \overline{J_{ij}} = 0.49 \overline{I_{i}} + j + 0.02 \overline{I_{ij}} + 0.49 \overline{I_{i}} + j + 0.02 \overline{I_{ij}} + 0.49 \overline{I_{i}} + j + 0.02 \overline{I_{ij}} + 0.49 \overline{I_{ij}} + 0.00 \overline{$ Jul 2 0-49×(1-08) + 0-02(0.2+) + 0.49(0) = 0-534 B

$$\begin{split} \begin{array}{c} 1_{2j} = 2_{j} \frac{1}{1} = 2_{j} \frac{1}{1} = 2_{j} \frac{1}{1} = 2_{j} \frac{1}{1} + 2_{j} - 2_{j} \frac{1}{1} + 2_{j} \frac{1}{1} + 2_{j} - 2_{j} \frac{1}{1} + 2_{j} - 2_{j} \frac{1}{1} + 2_{j$$

 $i = 17 \quad i = 5$ $i = 17 \quad i = 15$ $i = 17 \quad i = 1$ = 78.29 TIFIL = 0-49(97.47) + 0.02 (87-48) + 0.47(78-03) = 87.7461 i= 19 , -8 Jig 1 = 0-49 (108) + 0-02 (97-47) + 0-49 (87-48) = 97.7366 5201 2108

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