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#4 (Septimal Cose, Cose, Cose) b

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$$\lambda_{cd\tau} = \lambda_{cdq} + \lambda_{cdb} = 2 \times 10^{-7} \ln \ln \frac{2.51}{1.95} - 2 \times 10^{-7} \ln \ln \frac{2.51}{1.95}$$

$$= 2 \times 10^{-7} I \left(\ln \frac{2.51}{1.95} + \ln \frac{2.51}{1.95} \right) = 2 \times 10^{-7} I \ln \left(\frac{2.61}{1.95} \right)^{2} = 4 \times 10^{-7} I \ln \frac{2.51}{1.95}$$

$$= \lambda_{cd\tau} = \lambda_{cdq} + \lambda_{cdb} = 2 \times 10^{-7} \ln \ln \left(\frac{2.51}{1.95} \right) = 4 \times 10^{-7} I \ln \frac{2.51}{1.95}$$

$$= \lambda_{cd\tau} = \lambda_{cdq} + \lambda_{cdb} = 2 \times 10^{-7} \ln \ln \left(\frac{2.51}{1.95} \right) = 4 \times 10^{-7} I \ln \left(\frac{2.51}{1.95} \right) = 1.01 \times 10^{-7} \left(\frac{H}{M} \right)$$

Ecd = jw MI = 21 x 60 x 1.01 x 10 x 150 x 10 = 5.71 U

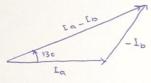
=>
$$D_{eq} = \sqrt{D_{12} \times D_{13} D_{23}} = \sqrt{D_{12} \times D_{13}} = \sqrt{2D_{13}} = \sqrt{2D_{1$$

$$0 = \frac{3}{10 \times 10 \times 20} = 12.6 \text{ ft}$$

$$0 = \frac{7}{10} =$$

=
$$2\pi \times 60 \times 2 \times 10^{-7} \ln \frac{12.6}{0.0133} \times 10^{3} = 5.17 \frac{52}{km}$$

$$\begin{cases} D_{12} : D_{23} = D \rightarrow D_{13} = 2D \\ D_{eq} : 3^{m} = \sqrt[3]{D_{12}D_{13}D_{23}} = 73 = \sqrt[3]{D \times 2D \times D} \\ = 7D = 2.38 \text{ m} \end{cases}$$



In- [b: \(\bar{1} \) \(\bar{

M= 1 deT = 9.29 × 10 5 m => E=WMI=2R × 60 × 9.29 × 10 × 150 × 10 = 5.25 Km

#20 Dab = Dab' = J142 + 3,52 = 14.43 Dab: Dab: J142+28.5 = 31.75 Daa'966' = [(Dab. Dab') (Dab) Dab'] 1/2 z /14.43 x31.75 = 21.04 , Dcb = Dcb = 142 + 3.5 = 14.43 Deb'= De'b= J142+28.5= 31.75 , Dob', cc'= J(Doc. Doc'). (Doc. De'b') = 21.04 Dac = Da'c = 28, Dac' = Dac' = 25 => Dac' = Coc Dac'). (Dac Dac'). (Dac Dac') = 28,25 = 26.46 Deg = ((Daa, bb)) (Daa, cc) (Dbb,cc) = (21.04 x 26.46 x 21.04) = 22.71 ft Daa' = J252282 = 37.54 ft Dbb' = 32ft , Dcc' = Daa' = 37.54 ft Ds: GMR = 0.0373 Ds, aa' = J(Ds. Dag') = J(0.0373132) $D_{Sd, lq} = \left(D_{S, qq'}, D_{S, bb'}, D_{S, cc'}\right)^{\frac{1}{3}} = \left(\left(0.0373 \times 37.54\right)^{\frac{1}{2}} \times \left(0.0373 \times 32\right)\right)^{\frac{1}{2}} \times \left(0.0373 \times 32\right)^{\frac{1}{2}} \times \left(0.0373 \times 32$ => L=5.693 x10 x10 x1609 = 0.959 9 XL=211 x60 x0.959 x103=0.362