DATE

Heat	pup	MDEPUTUR	9
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Demperature and Thermal Equilibrium

if C is initially in thermal equilibium with both A and B, then A and 13 are also in thermal

mundiliups

Thermal Expansion

livedy expansion

D= Q D0 DT FOR AT 1655 than 100°C

a : coefficient of linear expansion

 $(\top \triangle \triangle + 1) \circ \angle = \top \triangle \bigcirc (\triangle + 0) = \angle (\top \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle \triangle \triangle + 0) = \angle (\top \triangle + 0) = \angle (\top \triangle \triangle + 0) = \angle (\top \triangle + 0) =$

VOLUME EXPANSION

AV = B VO AT FOR AT less than 100°C

13 : coefficient of volume expansion

= 37° alout $(4\triangle + A)(W\triangle + W)(A\triangle + A) = V\triangle + V$ Tbod 30 = db = db = db = dbof Dawer of Reproventue inflicting between the suburb in

E(TANH) HW) = MM HALL

IPONDE =

(\$(TDN)+4(TDNS+1) |V = N; (1+30DT+3(QDT)+(QDT)3)

 $\frac{\exists}{\forall A} = \frac{\angle \Delta}{\text{noishat}} \left(\frac{\angle \Delta}{\text{od}} \right) \qquad \frac{\Delta}{\text{od}/\angle \Delta} = \frac{\Delta}{\Delta} = \frac{\Delta}{\Delta} \left(\frac{\angle \Delta}{\text{od}} \right)$ Thermal Stress Transfer Stress market

Indizion of of zi Arginol off $\frac{1}{2}$ if the length is to be constant

TO DY - = =