

Aの厚まをも=15mmをする。断面積をAとすると A=んなとれる。

図2 MGP= FE1+1) AICMPST13 せんとなるとでとすると

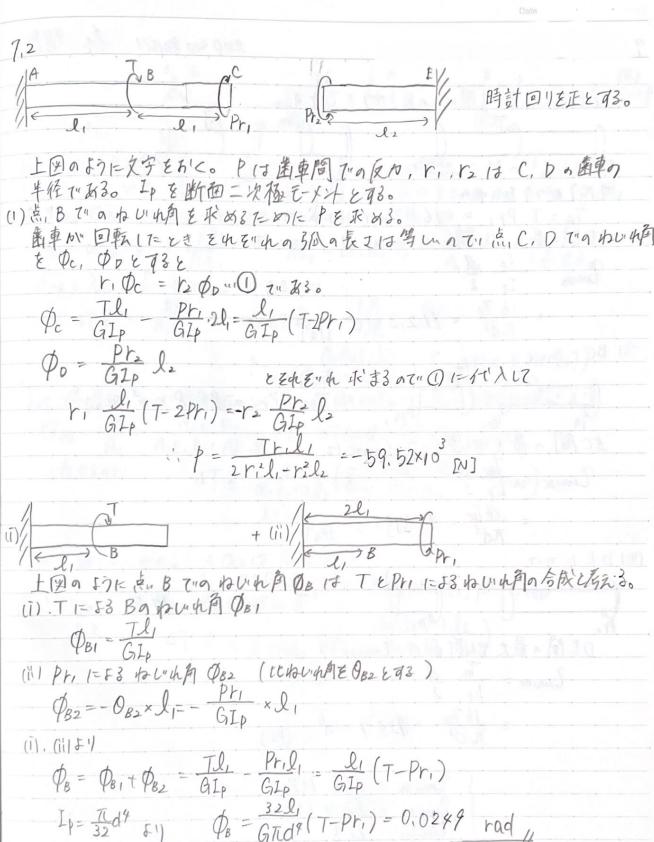
$$T = \frac{F}{A} = \frac{P}{ht}$$

 $\begin{array}{ccc}
A & ht \\
\hline
\vdots & \uparrow & \uparrow \\
\hline
P & \leq S_f & \downarrow \\
ht & \leq S_f \\
h & \geq \frac{PS_f}{\gamma_B t} \\
& = \frac{40 \times 10^3 \times 2.5}{150 \times 10^6 \times 15 \times 10^3}
\end{array}$ = 44.4 x 10-3 m

\$17 ha 最川値を hmin とすると

hmin = 44.4 mm 4

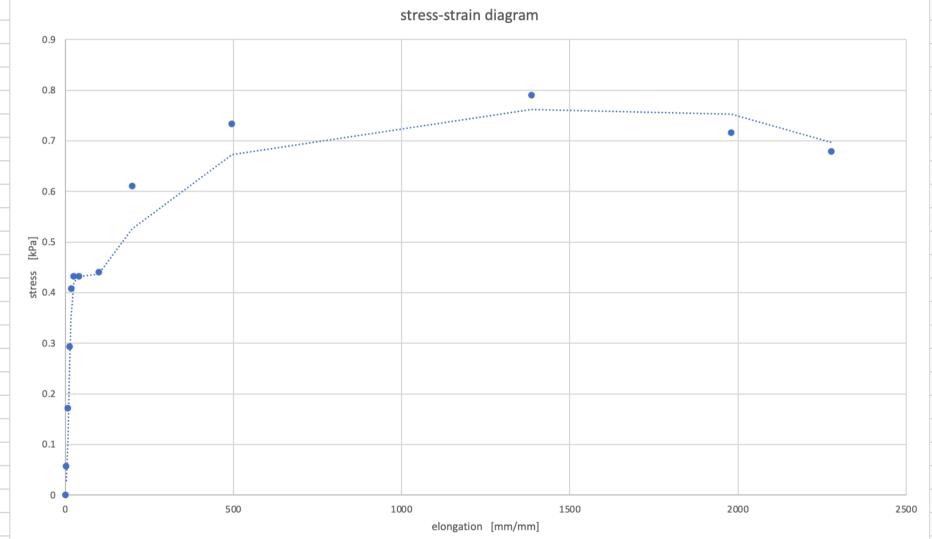


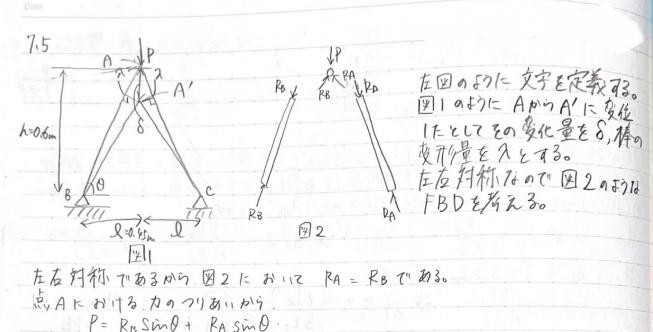


 $|O_{co}| = |P| = \frac{A_1 E_1 E_2}{A_2 E_2 l_1 + A_1 E_1 l_2} \left( S + \Delta T (\alpha_1 l_1 + \alpha_2 l_2) \right) \leq O_{rep}$   $|I_{r,7}| = \frac{A_2 E_2 l_1 + A_1 E_1 l_2}{A_1 E_1 l_2} \left( S + \frac{A_2 E_2 l_1 + A_1 E_1 l_2}{A_1 E_1 E_2} \right)$  = 59 % d

: T = 349.0C

strain	stress	
0	0	
2.475	0.057	
7.426	0.1711	
12.38	0.2934	
17.33	0.4075	
24.75	0.4319	
39.6	0.4319	
99.01	0.4401	
198	0.6112	
495	0.7335	
1386	0.7905	
1980	0.7156	
2277.2	0.6789	





 $P = R_B S \dot{m} \theta + R_A S \dot{m} \theta$   $= 2 R_A S \dot{m} \theta$   $= R_B S \dot{m} \theta$   $= 2 R_A S \dot{m} \theta$ 

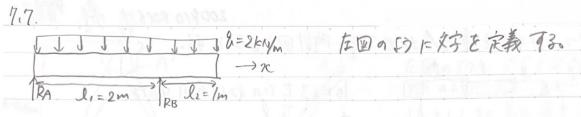
棒 AB, AC の輸出 ス E 来 的 3 の  $\lambda = \frac{RA}{AE} \times \frac{L}{\cos 0}$   $= \frac{PL}{AE 2 \sin 0 \cos 0} = \frac{PL}{AE 2 \frac{h}{Jk^2 \cdot k^2}} = \frac{P(k^2 + L^2)}{2k \cdot AE}$ 

FILMY  $S\cos(90^{\circ}-0) = \lambda$   $2/300^{\circ}$   $S\sin\theta = \frac{P(h^{2}+l^{2})}{2hAE}$  $\Rightarrow p = 2hAE$  p = h

 $(3) P = \frac{2hAE}{h^2 + l^2} \frac{g}{\sqrt{h^2 + l^2}} \frac{h}{\sqrt{h^2 + l^2}} \frac{g}{\sqrt{h^2 + l^2}} \frac{g}{\sqrt{h^2 + l^2}} \frac{g}{\sqrt{h^2 + l^2}} \frac{g}{\sqrt{h^2 + l^2}} = \frac{g}{\sqrt{53.6} \times 10^3}$ 

: P= 154 KN U

Date



(i) 
$$0 \le x \le l_1$$
 are

 $k = RA - kx = \frac{2(l_1 - l_2)}{2l_1} - kx = 1.5 \times (0 - 2 \times ($ 

(i) 
$$l_1 \leq \chi \leq l_1 + l_2 = 0$$
  
 $f = 2(l_1 + l_2 - \chi) = 2 \times 10^3 (3 - \chi)$   
 $M = -\frac{2}{2}(l_1 + l_2 - \chi)^2 = -10^3 (3 - \chi)^2$ 

