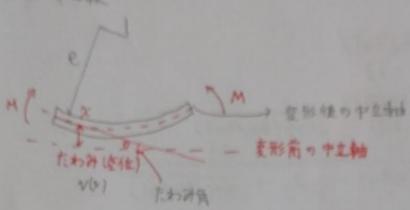
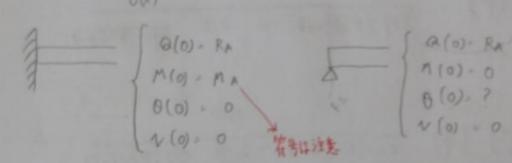
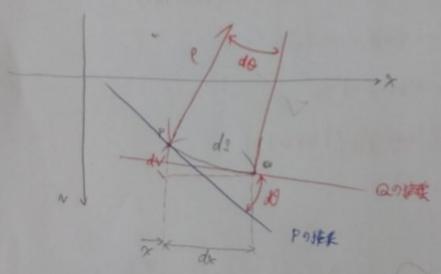
7. わかり 由版







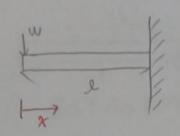
(8,000,0)

$$\frac{d\theta}{dx} = \frac{d\left(\frac{dx}{dx}\right)}{dx} = \frac{d^{2}v}{dx^{2}} = \frac{d}{e} = \frac{M}{EI}$$

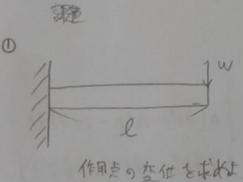
$$\frac{d^{2}v}{dx^{2}} = \frac{M(x)}{EI}$$

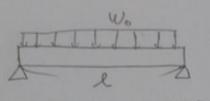
V軸は下に正→ 2階級分類と下に凸





$$\begin{aligned}
\theta(x) &= -\frac{1}{EI} \left(-\frac{1}{2} w x^{2} + C_{i} \right) \\
\theta(x) &= 0 \text{ by.} \\
-\frac{1}{EI} \left(-\frac{1}{2} w x^{2} + C_{i} \right) &= 0 \\
C_{i} &= \frac{1}{2} w x^{2} + \frac{1}{2} w x^{2} \right) \\
V(x) &= -\frac{1}{EI} \left(-\frac{1}{2} w x^{2} + \frac{1}{2} w x^{2} + C_{2} \right) \\
V(x) &= 0 \text{ for} \\
-\frac{1}{EI} \left(-\frac{1}{2} w x^{3} + \frac{1}{2} w x^{2} + C_{2} \right) \\
V(0) &= \frac{1}{3EI} w x^{3} + \frac{1}{2} w x^{3} + C_{3} = 0
\end{aligned}$$





最大たわみをまめら