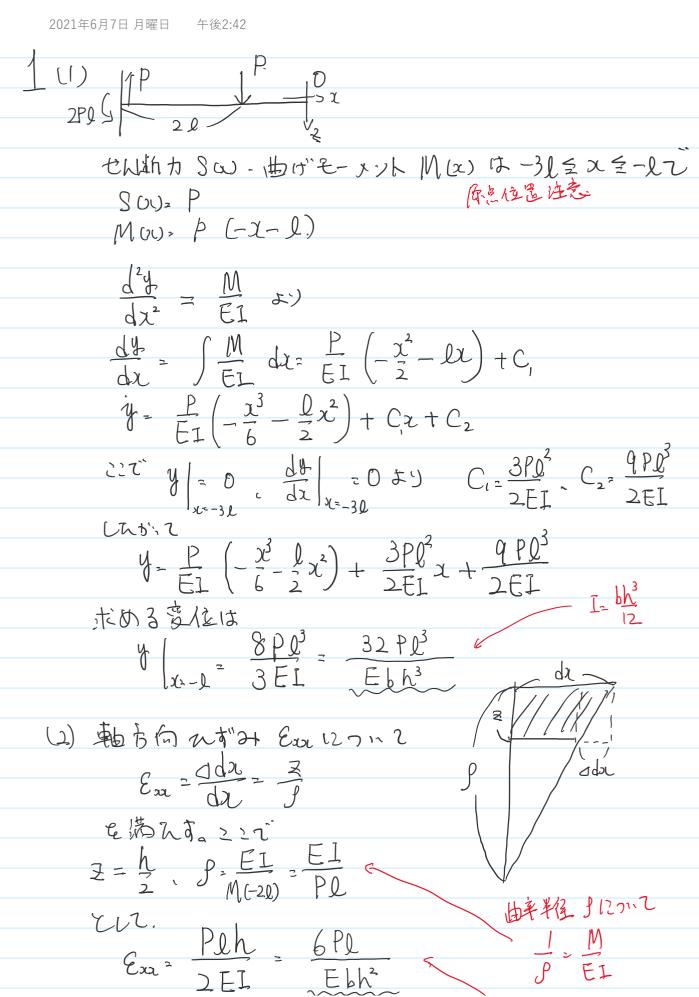
構造力学



$$\frac{E_{xx}^{2}}{2EI} = \frac{61x}{Ebh^{2}}$$

$$\frac{1}{2}EI = \frac{61x}{Ebh^{2}}$$

$$S(x) = 0$$

$$M(a) = 0$$

$$\frac{d^{2}h}{dx^{2}} = \frac{M}{EI} = 0$$

$$\frac{d^{2}h}{EI} = 0$$

$$\frac{$$

$$(2) \quad \mathcal{E}_{2x} = \frac{6Pl}{Ebh^2} = \frac{3h8}{28l^2}$$

国主流で中心とあるモーメントのつり合い

$$-3l \le x \le -l z'$$

$$8(x) = \frac{P}{2}$$

$$M(x) = \frac{P}{2}(-x-2l)$$

$$\frac{d^{4}y}{dx} = \int \frac{M}{El} dx = \frac{P}{2El}(-\frac{x^{2}}{2}-2lx) + C,$$

$$y = \int \frac{d^{4}y}{dx} dx = \frac{P}{2El}(-\frac{x^{3}}{6}-lx^{2}) + C_{1}x + C_{2}$$

$$\frac{d^{4}y}{dx} = \frac{3Pl^{2}}{4El} + C_{1} = 0 \quad \text{for } C_{1} = -\frac{3Pl^{2}}{4El}$$

$$y = C_{2} = 0 \quad \text{for } C_{2} = 0$$

$$-12x \le 0 z^{2}$$

$$S(x)^{2} - \frac{P}{2}$$

$$M(x) = \frac{P}{2}x$$

$$\frac{dy}{dx} = \int \frac{IM}{EI} dx = \frac{P}{4EI}x^{2} + C_{1}x + C_{2}$$

$$\frac{dy}{dx} = \int \frac{dy}{dx} dx = \frac{P}{12EI}x^{3} + C_{1}x + C_{2}$$

$$\frac{dy}{dx} = \frac{P}{12EI} + C_{1}x + C_{2}$$

$$\frac{dy}{dx} = \frac{P}{12EI} + C_{1}z + C_{2}z + C_{3}z + C_{2}z + C_{4}z + C_{5}z + C_{$$

△全体を通して、仮想仕事の原理のr Castiglianoの定理を用いてらか。樂。