P.7 1

上図のように並引で接続されているとすれば

$$C = \frac{\mathcal{E} \cdot xb}{d} + \frac{\mathcal{E}_{i}(a-\lambda)b}{d}$$

(3)
$$U = \frac{1}{2} Q^{2}$$

$$= \frac{1}{2} \frac{dQ^{2}}{\epsilon \cdot xh + \epsilon \cdot (0 + 1)h}$$

$$(4) F = -\frac{\partial U}{\partial x}$$

$$= -\frac{\partial Q^2}{2} \frac{b(\xi_0 - \xi)}{\{\xi \delta x + \xi_0 b(\alpha - x)\}^2}$$

$$= \frac{cl Q^2 (\xi - \xi_0)}{2b\{\xi x + \xi_0 (\alpha - x)\}^2}$$

向きは 火軸 正の方向

$$V = \frac{1}{2} \frac{dQ^{2}}{\{xb + \xi_{0}(a - x)b\}}$$

$$= \frac{dQ^{2}}{2b} \frac{1}{\{\xi - \xi_{0}\}x + \xi_{0}a}$$

$$\xi > \xi_{0} \text{ if } \xi - \xi_{0} \text{ if } E$$

$$\chi \leq \frac{1}{2} \frac{1}{\{\xi - \xi_{0}\}x + \xi_{0}a}$$

(6)
$$U = \frac{1}{2} c v^{2}$$

$$= \frac{b}{2d} \left\{ (\varepsilon - \varepsilon_{\bullet}) x + \varepsilon_{\bullet} \alpha \right\} V_{\bullet}^{2}$$

$$F = \frac{\partial w}{\partial x} \qquad V = \frac{\partial w}$$

(8)
$$U = \frac{b}{2d} \left\{ (\varepsilon - \varepsilon_o) x + \varepsilon_o \alpha \right\} V_o^2$$

$$\varepsilon - \varepsilon_o > 0 \quad \text{for}$$

$$\chi \text{ for the two deltations}$$