$$\frac{\chi'}{\chi} = Q + b(\pm)$$

$$\log \chi = \int (Q + b(\pm)) d\pm + C_1 \qquad (C_1 \setminus \frac{1}{2} + \frac{1}$$

H13-6

(2) 定数变化法2"X(t) E 载 的 3。 (1) の
$$C_2 \in C_2(t) \times 2 + 1 = t \times 3 \times x$$

 $C_2(t) \exp \{at + \int_0^t b(t) dt\} + C_2(t)(a + b(t)) \exp \{at + \int_0^t b(t) dt\}$
 $= (a + b(t)) C_2(t) \exp \{at + \int_0^t b(t) dt\} + C(t)$
 $\iff C_2(t) \exp \{at + \int_0^t b(t) dt\} - C(t)$

$$\iff C_{2}(t) \exp \left\{0t + \int_{0}^{t} b(t) dt\right\} = C(t)$$

$$C_2(+) = \int_0^t C(w) \exp\left\{-\left(aw + \int_0^w b(s) ds\right)\right\} dw + C_3 \quad (C_3:4) = \int_0^t C(w) \exp\left\{-\left(aw + \int_0^w b(s) ds\right)\right\} dw + C_3 \quad (C_3:4) = \int_0^t C(w) \exp\left\{-\left(aw + \int_0^w b(s) ds\right)\right\} dw + C_3 \quad (C_3:4) = \int_0^t C(w) \exp\left\{-\left(aw + \int_0^w b(s) ds\right)\right\} dw$$