Functional:

min
$$L = k_0 \int p(x,t_0) \log \frac{p(x,t_0)}{p_0(x)} dx + k_1 \int p(x,t_0) \log \frac{p(x,t_0)}{p_1(x)} dx + k_1 \int p(x,t_0) \log \frac{p(x,t_0)}{p_1(x)} dx + k_1 \int p(x,t_0) \int p$$

Variation by λ_s : (using second way to vary by differentiating by parameter) $\delta \lambda_1 \left(\frac{\partial p}{\partial t} + \frac{\partial}{\partial x} [fp] \right) = 0$

Variation by λ_2 : (2nd way to vary)

 $\int_{X} p(x,t) dx = 1$

Variation by h3: (2nd way to vary)

 $\frac{dx}{dt} - f(x, \Theta) = 0$

Variation by X:

We will use 1st way to vary:

We will use
$$\int_{-\infty}^{\infty} w dy = \int_{-\infty}^{\infty} w dy = \int_{-\infty}^{\infty} \frac{dy}{d(x+\delta x)} = \int_{-\infty}^{\infty} \frac{dy}{d(x+\delta x$$

 $= \lim_{\to 0} \left[y(x+\delta x) + \frac{dy}{d(x+\delta x)} \Delta(x+\delta x) - y(x+\delta x) \right] =$

$$+ \lambda_{1} \frac{\partial P}{\partial x} \frac{\partial f}{\partial x} \delta_{x} + \lambda_{1} P \frac{\partial^{2} f}{\partial x^{2}} \delta_{x} - \lambda_{1} \frac{\partial^{2} f}{\partial x} p \delta_{x} - \lambda_{1} \frac{\partial f}{\partial x} \frac{\partial P}{\partial x} \delta_{x} - \lambda_{1} \frac{\partial f}{\partial x} \frac{\partial P}{\partial x} \delta_{x} - \lambda_{1} \frac{\partial f}{\partial x} \frac{\partial P}{\partial x} \delta_{x} - \lambda_{1} \frac{\partial f}{\partial x} \frac{\partial P}{\partial x} \delta_{x} + \frac{\partial \lambda_{1}}{\partial x} \frac{\partial F}{\partial x} p \delta_{x} \delta_$$