Mostor's Method

$$J = Jr(\xi | Y_{n}(t))^{2}) + Sg_{n}(\xi | \xi_{n}(t))^{2}) dt + Sg_{n}(\xi | Y_{n}(t))^{2}) dt$$
- Of ver : Quess $\xi_{n}^{(o)}(t)$
- Necessary and sufficient conditions for new held $\xi_{n}^{(o)}(t)$
So that $J(\xi | \xi_{n}^{(o)}(t))^{2}) \in J(\xi | \xi_{n}^{(o)}(t))^{2})$

$$\frac{\partial g_{n}}{\partial \xi_{n}^{(o)}} = 2 \text{ In } \{x_{n}^{(o)}(t)\} = \frac{\partial H}{\partial \xi_{n}} | x_{n}^{(o)}(t) \}$$

$$| x_{n}^{(o)}(t)|^{2} = \frac{\partial Jr}{\partial x_{n}^{(o)}(t)} =$$