$$dS_{t} = \kappa(\theta - hS_{t}) \quad S_{t}dt + \sigma S_{t} dw_{t}$$

$$x_{t} = hnS_{t}$$

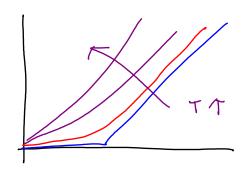
$$\Rightarrow dx_{t} = \left[\kappa(\theta - hS_{t}) - t\sigma^{2}\right]dt + \sigma dw_{t}$$

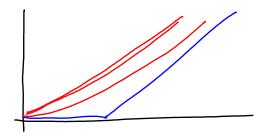
$$x_{t}$$

$$= \kappa((\theta - t\sigma^{2}) - x_{t})dt + \sigma dw_{t}$$

$$\frac{dF_{t}(T)}{F_{t}(T)} = \sigma e^{-\frac{K}{L}(T-t)} d\overline{w}_{t}$$

$$= \sigma e^{-\frac{K}{L}(T-t)} \left[(\lambda_{s} + \lambda_{s}, \ln S_{t}) dt + dw_{t}\right]$$





Calendar spread..

$$74 = \left(\frac{dQ^*}{dQ}\right)_t = \frac{F_t(\tau_2)}{F_o(\tau_2)}$$

$$V_{t} = \begin{bmatrix} Q^{t} - (T_{1}) - F_{T}(T_{2}) \end{pmatrix}_{t} \cdot \underbrace{F_{\sigma}(T_{1})}_{F_{T}(T_{N})}$$

$$Z_{t} = \frac{F_{t}(Y_{t})}{F_{t}(Y_{t})}$$
 is a Q^{t} - and g_{t}

