Ye is
$$E[Yt] = M_0$$
, $Val(yt) = P_0^2$
Atmosfer of M_0 :

$$\hat{M}_T = \hat{Y}_T = \frac{1}{T} \sum_{t} \hat{Y}_t$$

$$E[\hat{M}_T] = E[\frac{1}{T} \sum_{t} \hat{Y}_t] = \frac{1}{T} \sum_{t} E[\hat{Y}_t]$$

$$= \frac{1}{T} T_{M_0} = M_0$$

$$Val(\hat{M}_T) = Val(\frac{1}{T} \sum_{t} \hat{Y}_t)$$

$$= \frac{1}{T^2} Val(\hat{Y}_t)$$

$$= \frac{1}{T^2} T V_0^2$$

$$= \frac{1}{T^2} T V_0^2$$