6/. (Continued). The standard deviation marks the sprend of the ganssian dishibution. Since it drifts with time the spread also drifts was swang to large values, and hence large fluctuations (instabilities) are more likely. Since $\sigma \propto \sqrt{\phi(t)}$, $\phi(t)$ was given the name instability function. Page 41: i) The points of inflection occur for $x = \sigma = \pm |\phi|_2 | \rightarrow \text{The standard deviation}$ (NOT variance). ii) In the graph the maximum is all 1/100. 8/ Page 65: Portfolio value = SHS-G Shin number of Shares, S is the price of a share and a is the value of the obtion. Hence, SHS is the value of SH shares. Dynamical Systems II. Page 1: $\frac{d\chi}{dT}$: $F(\chi)$: $\frac{d^2\chi}{dT^2}$: $\frac{dF}{d\chi}$ $\frac{d\chi}{dT}$ Since $F(\chi)$: $\chi - \chi^2$. $\frac{d^2\chi}{dT^2}$ = $(1-2\chi)\frac{dT}{dT}$ $\binom{NoT}{dT^2}$ 21. Page 24: P(m)~m-(1+x) holds only for a range of high values of m(Not slobal).