

Fig. 1 A typical diagram for the relationship between X_{t+1} and X_t described by equation (1). The curves are for equation (1) with $\alpha = 2.707$ (a); and $\alpha = 3.134$ (b). The dashed lines indicate the slope at the "fixed points" where $F(X)$ intersects the 45° line for the case α this slope is less steep than -45° and the fixed point is stable; for b the slope is steeper than -45° , and the point is unstable.