$$\frac{Lesson 10}{Ch 6} = \frac{2}{2}/2/22$$

$$\frac{Ch 6}{Ch 6} = Non-linear systems$$

$$\frac{56.1}{Those are systems of the form}$$

$$\frac{56.1}{Shower systems on the RHS}$$

$$\frac{56.1}{Shower system}$$

$$\frac{56.$$



Stable unstable CP Every trajectory which starts sufficiently close to the CP stays close to it for all time (but it doesn't have to converge to the (P). If any trajectory which starts sufficiently close to the CP converges to it as t > as the CP is called asymptotically stable Asymptotically stable => stable \$\vec{4}\$ A C.P. which is not stable is called quetable 1 1 1 Spiral sink uptotically 1 1 1 1 1 \uparrow \uparrow 1 1 1 1 1 1 1 1 1 -11 1 1 -3.5 -3 -2.5 -2 -1.5 -1 -0.5

