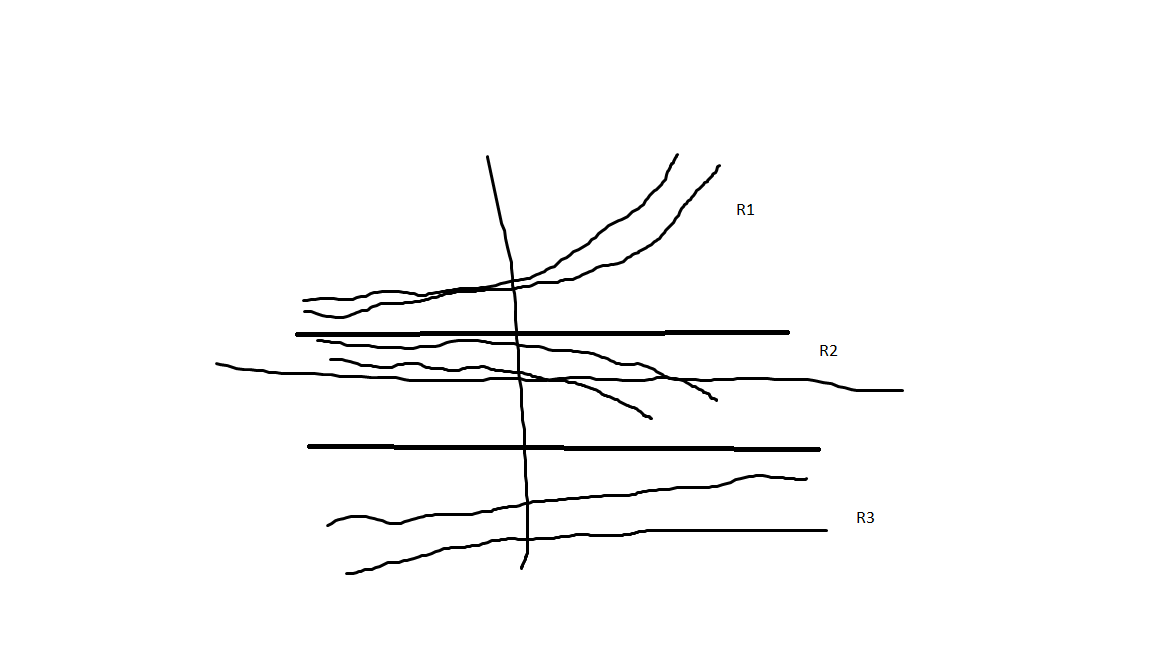
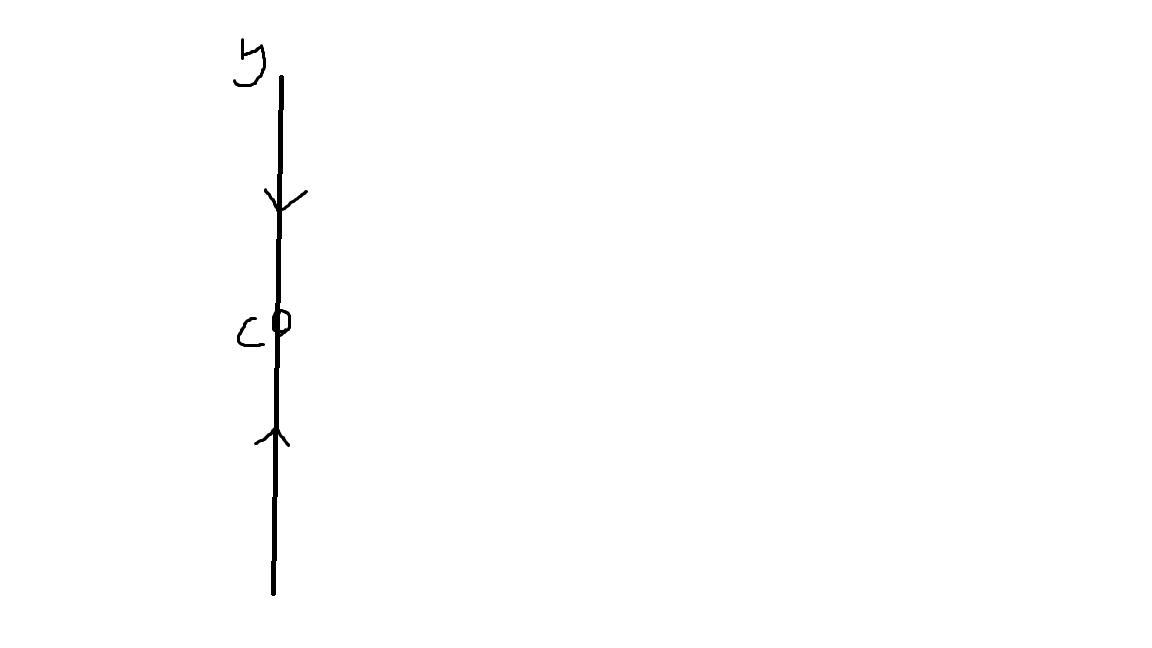
13 September 2019:

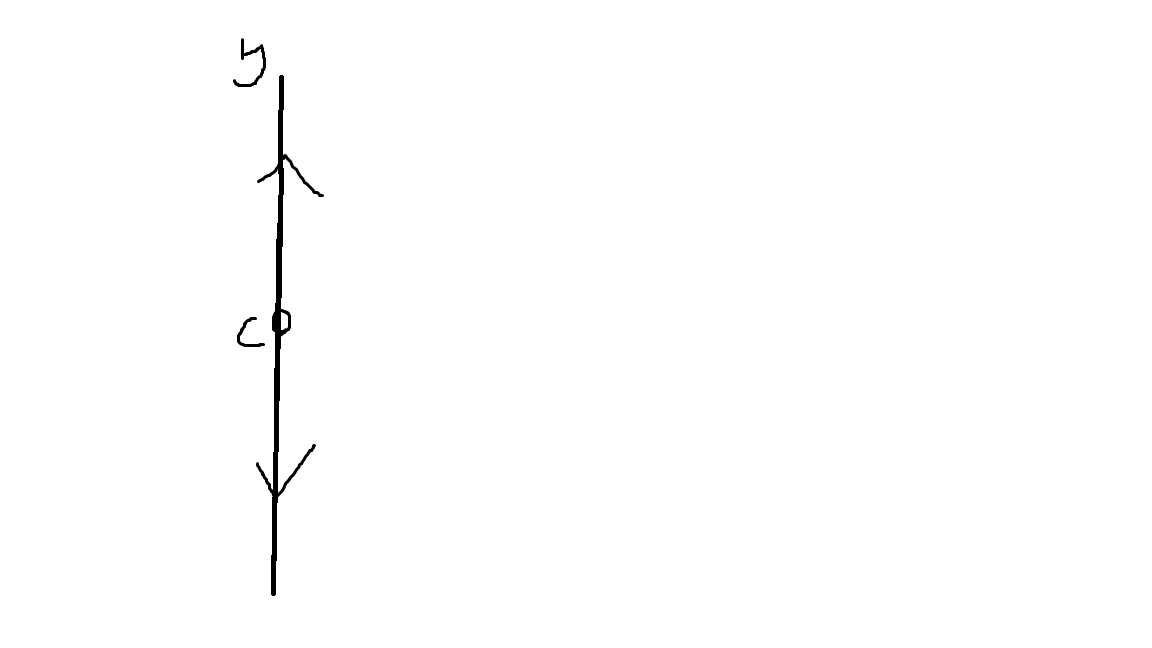
LECTURE 2:



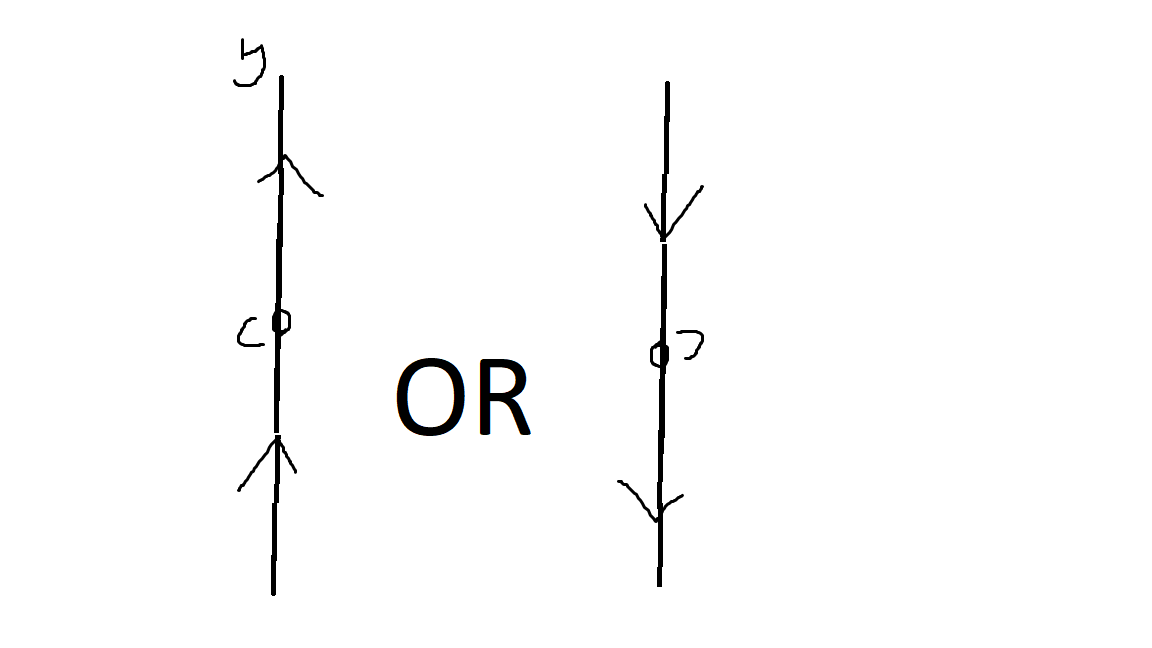
Stability of



This is a asym. Stabke crit point



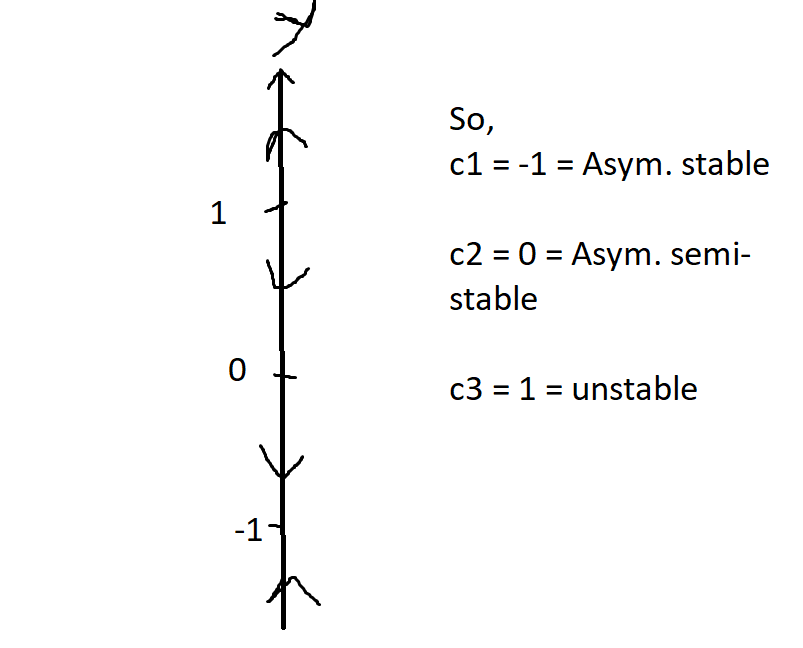
This is a asymptoticly unstable critical point



This is a semi stable critical point

IN ALL ABOVE EXAMPLE CRIT POINT c = 0

Example: Determine stability of equilibrium solutions



LECTURE 3:

Example:

Example:

Example:

Is it a unique solution?

Exercise:

Solve DF,

**Homogenous or not:**

Example:

Example

Substitute in

Donc,

Solve:

Example:

Exercice:

Example: