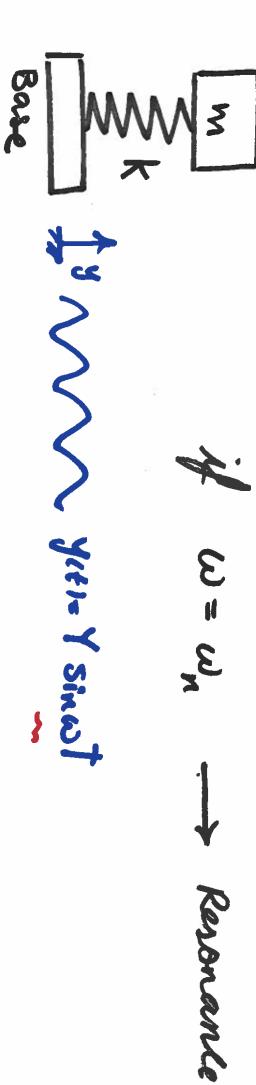
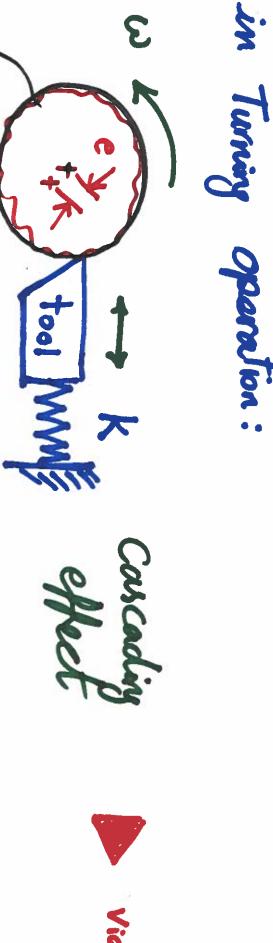
mx + kx = f sinut Tools & Vibrations : $\omega = \omega_{x}$ x (+)=(1-(2) Resonance

Displacement as excitation







Workpiece

F= K8 **tool** amyolitude. Vibrations in class video Saw Vibration

How we can avoid chatter? Chatter: in Machining chatter can be change Change The votation speed it is the resonance phenomenon. 1 Stability Lobe Video # 3 heard -> noise , Surface Video # 2

- change The tool stiffnen:

K= 3E1 bigger tool diemeter

shorter tool length

use a machine with higher stiffnen.

video ≠4