Lecture: 6

- (1) R: Hingeria law $\rightarrow W_R = 4R \left(\frac{1}{\bar{D}_{VSP}} \frac{1}{\bar{D}_{VSP}} \right)$
- 2) Kick's law -> Wk = kk ln (Dvsp)
- 3) Bond's low -> WR = Kb (\frac{1}{\sqrt{Dpp}} \frac{1}{\sqrt{Dpp}}

Coarge Cymhess?

Jaw, Gyratory & Crushing rolls:

Theosetical capacity of jaw crusher,

* A- area of gwing vj-jou width

Nj - jau width Nj - no of svinge per onin E-pososity of particles

Intermediale size constres:

Roller mille, hammer milly, cage mille

Fine size neduction: ball mill, god mill, febble mill 1) cascading: 2) Cata Hacking: 3) Contribuying: mg Cos 0: m 62 (R-91) U- peripheral speed No Speed of Motation (nev per onin) U= 21TN (R-91) At critical speed, 0=0°, N= Nc

fing
$$\cos\theta = \frac{9h u^2}{(R-H)}$$

$$g \cos\theta = \frac{(2 \pi N (R-H))^2}{(R-H)}$$

$$\frac{1}{2 \pi N_C} = \frac{1}{2 \pi N_C} = \frac{9}{R-H}$$

$$\frac{1}{2 \pi N_C} = \frac{1}{2 \pi N_C}$$