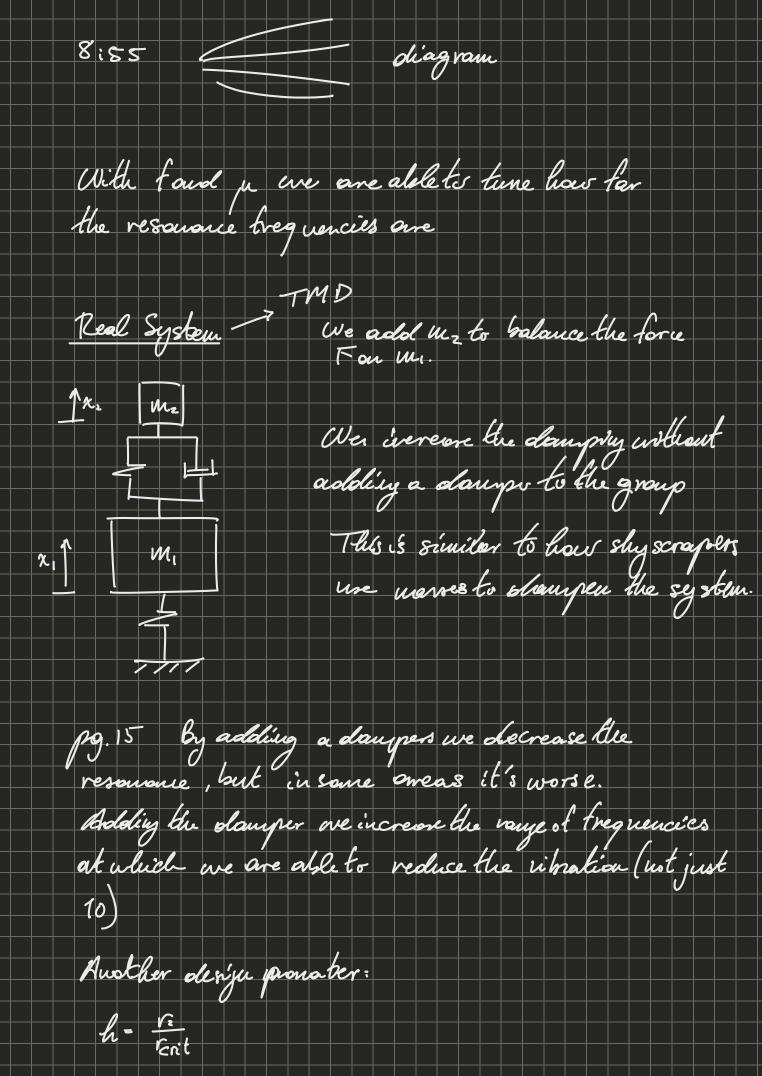
Lésione 13-TMD TMD & Tuned - Man Damper TMD Analysis -> 2 dut approach Trynamic Stock Assocher undangen 1 x2 Mz Abroher wz = 1/ 1/2 1x, 1 Ficos 12t system ar re Enjing to prolect $co_i = \sqrt{\frac{k_i}{m_i}}$ The system will ribrate more if w, 25 $m = \frac{m_2}{m_1}$ Equalitien of when: pg. 4 $\frac{X_1}{x} = \frac{-m_2 R^2 + h_2}{x}$ Fi (-m, 2 + h, + h,) (-m, 2+ h,) - h,

bodding the dynamic absorber, we change were our system resonates (chaying kun 10 - 8) but this only work it our vibration is very fixed and it adols another resonance frequency. With n=w1=w2: The absolver is many a lot and the mins, not because the global equilibrium is null. Thus is only a discretical core, which cron't crock in real life, because F, næelsto be precise and in real enteur there is damping Binemaler Parenters: $a_z = \frac{\mathcal{L}}{\omega_z} = \frac{\mathcal{L}}{\omega} \cdot \frac{\omega_1}{\omega_2} = \frac{a_1}{f}$ $\frac{k_z}{k_i} = \frac{\omega_z u_z}{\omega_i^2 u_i} = \int_{\mu}^{2}$ $f = \frac{\omega x}{\omega_i}$ $\mu = \frac{mz}{\omega_i}$ $\mu = \frac{mz}{\omega_i}$

85T = h. Deflection et main system in static case



Our derry is wow based on how much any we can dissipate:

pg. 18, 99

pg. 20 -> are can see how h changes with h
We try to find the applical h. We don't want to
increve h too much since it will mean the masses
start to more as one

Changing of at obstress h, we have to fixed point, but everything is moved up or down a bit.

We have

µ, f, h

Our treyet is to dangen the system as much as possible with the lightest TMD prossible

- we need to contain the movement of the TMD - statuers of the system. Electrical Cable Damper

Les 4 dot system since the TMD weeds to block a large vange et trequencies since wind exite different moder of the cables.

Arriler around visionet for EXPO 2015