Image Famotion (37-45) i) image lits each pixel is 8 lits each lit gives 6 dB so 8 lits gives 48 dB (video bandwith \$ is 56 dB) human vision is 5-6 lits resoltion cleverds on tash for TV 676× 576
deternine from samply the a Forrier transform.

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iv/ applying the Fourier transform eg. hilting It dosh $\frac{1}{t/2}t$ $f(w) = \int_{-t/2}^{\infty} Ae^{-j\omega t} dt$ $= \frac{1}{100} = \frac{$ Sim(wt) = 2 j - 2 $= ZA Sin \left(\frac{\omega t}{2}\right).$

vii). Continuous Fourier transform F(w) = Jut f(t) dt Forier (frequery) = sumsine xtime) over time Ejut = cos(wt) & jsin(wt).

j = complex variable

Forier = sine waves that make up a signel.