PHY 321, MARCH 15, 2025 mdx + bdx + xx= Fo car(wt) $w_0 = \sqrt{\frac{2}{m}} = \frac{6}{3mw_0}$ $\frac{\beta}{2m}$ $\frac{1}{100}$ $\frac{1}{100}$ $\frac{1}{100}$ wort HW6 parameters FO = 1000 = 211 (period) M = 1 b = 1 $F_0 = \frac{1}{m w_0^2} = \frac{1000}{(5.217)^2}$

$$2 101 (= 1)$$

$$8 = \frac{b}{2mw_0} = \frac{1}{2011}$$

$$t = \frac{1}{2mw_0} = \frac{1}{2011}$$

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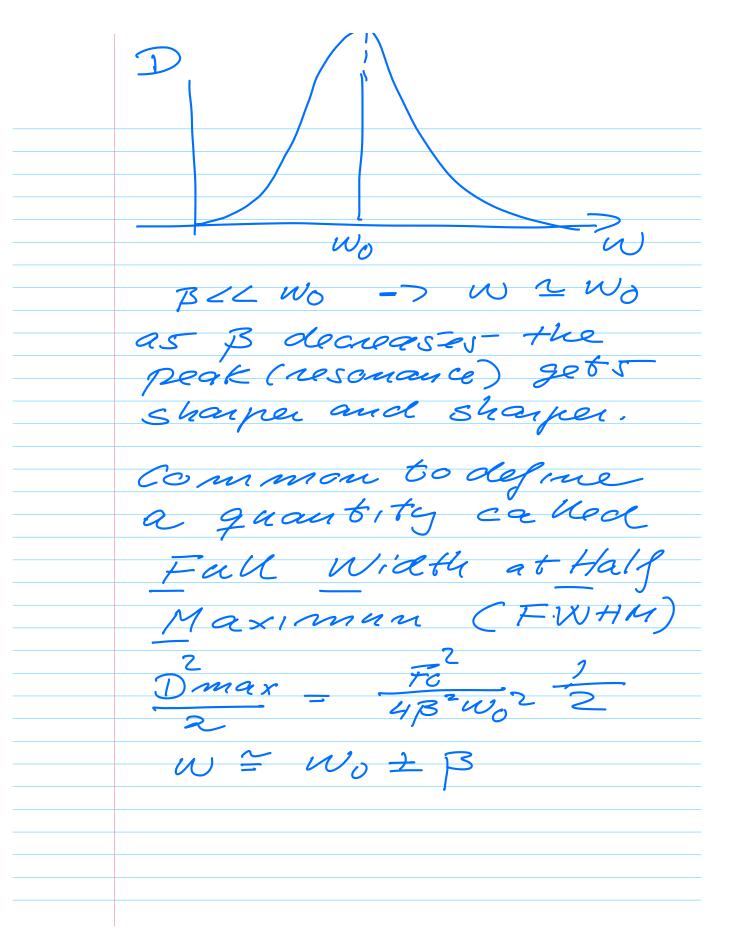
$$T = 1011 \cdot t$$

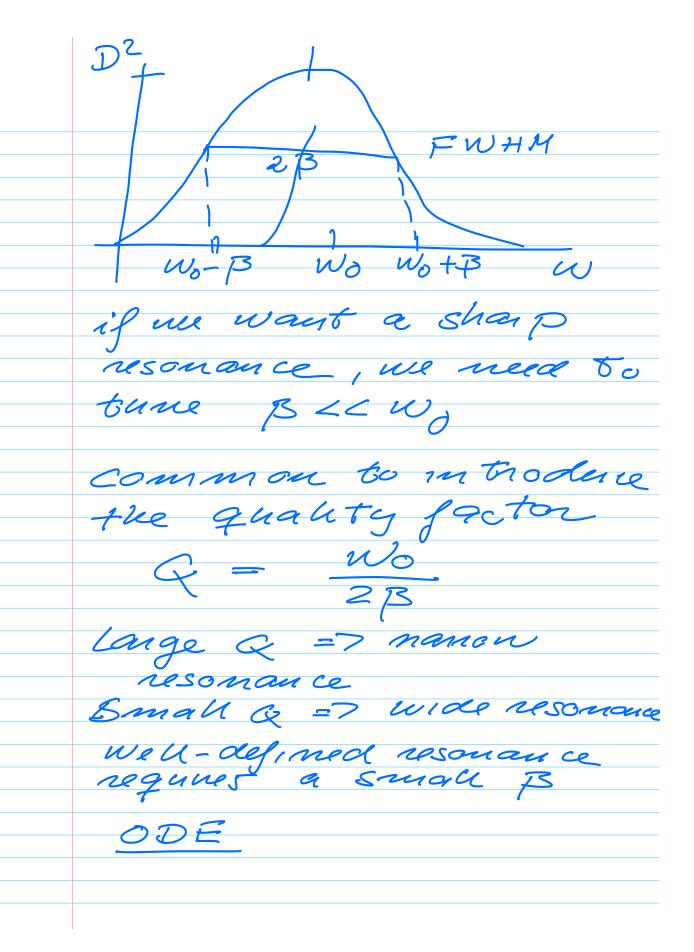
$$T = 1011 \cdot t$$

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MORE ODE Solvens Euler's method (no energy conserv) Euler-Cromer, conserve energy (O'Cst2) forx) O(St) JONE Velocity - Verlet (ocst3) Family of PK-methods PK = Range-Katta,