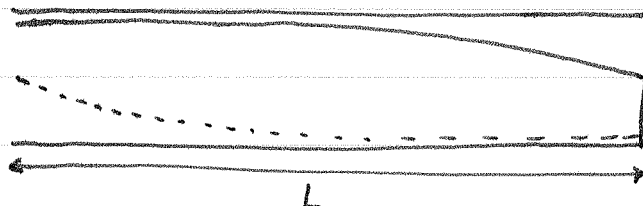


— ξ
 - - - Δp

(58)

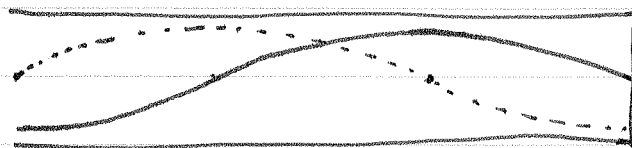
$n=1$:



$$\lambda_1 = 4L$$

$$\nu_1 = \sqrt{8k_B T / m} / 4L$$

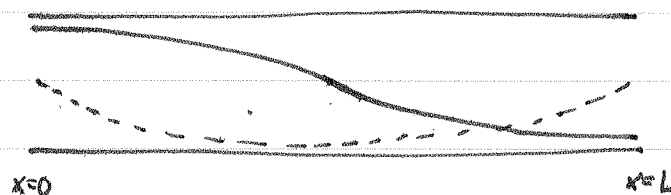
$n=3$:



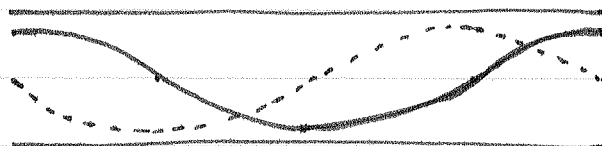
$$\lambda_3 = 4L/3$$

$$\nu_3 = 3\nu_1$$

Med 2 åpne ender: $\Delta p(0,t) = \Delta p(L,t) = 0$



$$\lambda_1 = 2L$$



$$\lambda_2 = L$$

Merk: Stående bølger er et resonansfenomen.

Eksiteres (Bygges opp) av ytre kraft som
 svinger med frekvens lik en av "egenfrekvensene" ν_n .