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C	speed of sound, m/s
L	length of the tube, m
f	frequency of standing wave, s ⁻¹
R	specific gas constant
T	atmospheric temperature, K
k	correction factor that can be determined experimentally
m	mass of liquid, kg
E	bulk modulus

NOMENCLATURE

ρ_m	mass density, kg/m ³
g	gravitational acceleration, m.s ⁻²
ΔP	difference between measured and atmospheric pressure, pa
Δh	height of the liquid column, m

Greek symbols

ω	oscillation frequency, s ⁻¹
τ	period of oscillations, s
γ	specific heat ratio
ρ	density of media, kg/m ³
μ	molecular weight of gas, amu