

Notation and Dimensional Conventions

Unless explicitly stated otherwise, SI units are assumed. Natural units ($c=\hbar=1$) may be used locally for qualitative arguments, but all dimensional relations below are given in explicit physical units.

Symbol Table

Symbol	Meaning	Dimension
E	Energy (total, local, or wave-carried)	J
W	Work	J
t	Time	s
g	Field allowance / work intensity	$J \cdot s^{-1}$
N_g	Number of gravitons (or work quanta)	1
ρ_w	Work density	$J \cdot s^{-1} \cdot m^{-3}$
V	Volume	m^3
λ	Decay constant	s^{-1}
ΔE	Energy difference / threshold	J (or MeV)
N_p	Number of protons	1
N_n	Number of neutrons	1
ψ	Wave function / wave amplitude	depends on normalization
ω	Angular frequency	s^{-1}
A	Wave amplitude	field-dependent
E_{wave}	Energy transported by wave	J
E_{cond}	Condensation threshold energy	J
P_{in}	External energy inflow	$J \cdot s^{-1}$
a_{grav}	Gravitational acceleration	$m \cdot s^{-2}$
∇g	Gradient of field allowance	$J \cdot s^{-1} \cdot m^{-1}$
R	Characteristic radius	m