

List of Symbols

LIST OF SYMBOLS

Symbols	Description
ϕ	Scalar Field
$R(t)$ or $A(t)$	Scale factor
a	Average scale factor
Ω	Energy density parameter
Q	Interacting term between matter and dark energy
c	Velocity of light
Δ or A_m	Anisotropy parameter
g_{ij}	Metric tensor
g	Determinant of g_{ij}
G	Gravitational constant
H	Hubble parameter
H_i	Directional Hubble parameters
p	Pressure
q	Deceleration parameter
R_{ij}	Ricci tensor
R	Ricci scalar
T_{ij}	Energy-momentum tensor
T	Trace of Energy-momentum tensor
u^i	Five-velocity vector
V	Volume parameter
ξ	Bulk viscosity coefficient
θ	Expansion scalar
Λ	Cosmological constant
ρ	Energy density

Symbols	Description
ρ_p	Particle density
ρ_c	Critical density
λ	Tension density
σ_{ij}	Shear tensor
σ	Shear scalar
ϕ_i	Displacement field vector
β	Gauge function
v	Observed velocity
z	The red shift
k	spatial curvature index
τ	Temperature
S	Entropy
S^*	Entropy Density
γ_A	Apparent Horizon
\tilde{T}	Cui-Kim temperature of apparent horizon