Notation		Meaning
$;$	--	Covariant derivative
$,$	--	Partial derivative
$(\ )^{\cdot}$	--	Covariant derivative of ( ) with respect to unit time-like vector u^a
$\pounds_u$	--	Lie derivative with respect to u^a
J_u	--	Jaumann derivative with respect to u^a
$(\ )$	--	Symmetrization
$[\ ]$	--	Antisymmetrization
c	--	Velocity of light
G	--	Gravitational constant
p	--	Pressure of the fluid in its rest frame
ρ^{*}	--	Density of disordered radiation field.
u^a	--	flow vector
$\textcircled{D}_a$	--	Complexion of a vector
g_{ab}	--	Fundamental tensor
σ_{ab}	--	Shear tensor of u_a
w_{ab}	--	Rotation tensor of u_a
Θ_{ab}	--	Strain tensor of u_a
Θ	--	Expansion of u_a
γ_{ab}	--	Three dimensional projection tensor.
E^{ab}	--	Electric type gravitational field.
H^{ab}	--	Magnetic type gravitational field.

Notation		Meaning
C_{abcd}	—	Weyl tensor
p^{ab}	—	Pressure tensor
u^a	—	Acceleration vector
ε^{ijkl}	—	Levi-civita symbol
η^{ijkl}	—	Levi-civita tensor
η^{ijkl}	—	$(-g)^{1/2}\varepsilon^{ijkl}$

k, σ, ρ, τ, ν, μ, λ, α, β, γ, ϵ Spin coefficients.

ϕ_{00}, ϕ_{01}, ϕ_{02}, ϕ_{10}, ϕ_{11}, ϕ_{12}, ϕ_{20}, ϕ_{21}, ϕ_{22},   Ricci scalars.

ψ_0, ψ_1, ψ_2, ψ_3, ψ_4 — Tetrad components of C_{abcd}.

D, $\triangle$, δ, $\bar{\delta}$ — Intrinsic derivative operators.