

Turbulent component

Gravitational component

Volume density
 n_{H}

Linewidth-size relation
 σ_0, L_0, β

Sound speed
 c_s

Cloud size
 L_{cl}

Mean cloud density
 n_0

Virial Parameter
 α_v

Mach number
 M_s

Transition density
 n_T

Jeans length
 λ_J

Turbulent column Density
 N_{turb}

Gravitational column density
 N_J

Resolution limit
 Δx

Resolution limit column density
 N_{res}

Effective column density
 $N_{\text{eff}}(n_{\text{H}})$

Imposed column density floor
 N_{min}

