





 ξ = inter-filament friction (nN•s/ μ m)

Fundamental Parameters: $L = \text{filament length } (\mu \text{ m})$

 μ_e = extensional modulus (nN) μ_c = extensional modulus (nN)

 $l_c = \text{cross-link spacing } (\mu \text{m})$

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 ϕ = cross-link active fraction τ = filament recycling time (s)

v = active filament force (nN)

 $\zeta_r = \text{mainent recycling time (s)}$ $\zeta = \text{medium viscosity (nN•s/}\mu\text{m}^2\text{)}$