

Simulation parameters

Parameter	Description	Value
v^+	growth speed	$0.08\mu m\ sec^{-1}$
v^-	shrinkage speed	$0.16\mu m\ sec^{-1}$
v^{tm}	treadmilling speed	$0.01\mu m\ sec^{-1}$
r_r	rescue rate	$0.007\ sec^{-1}$
r_c	<i>spontaneous-catastrophe</i> rate	variable: $0.003-0.02\ sec^{-1}$
r_n	nucleation rate	variable: $0.001-0.01\ \mu m^{-2}\ sec^{-1}$
ρ_{tub}	finite tubulin pool density (length equiv.)	$10\ \mu m^{-1}$
θ_z	angle of <i>zippering</i>	40°
$p_{ind-cat}$	probability of <i>induced-catastrophe</i>	0.5
p_{cross}	probability of <i>crossover</i>	0.5