

| Symbol | Definition | Value |
|------------|--|-------|
| b | Boundary of social force in metres | 3m |
| r_i | Radius of target's influence in metres | 0.2m |
| m | Mass of target | 80kg |
| f_a | Magnitude of attractive force | 500N |
| f_r | Magnitude of repulsive force | 500N |
| Δt | Time interval | 1/25 |