1. – eq1

– eq2

for i=1:N

where , and

The number of constraints : 2N

1. – eq4

– eq5

– eq6

– eq7

– eq8

– eq9

where , , and

The number of constraints : 6

1. for i=1:N-1

– eq 10

for i=1:N-1

– eq 11

for i=1:N-1

– eq 12

for i=1:N-1

– eq 13

for i=1:N-1

– eq 14

for i=1:N-1

– eq 15

The number of constraints : 6(N-1)

Trajectory

: Position

: Velocity

: Acceleration