

Input ($m, \mathbf{r}, \mathbf{v}$)

Det. particles to move

Prediction ($\mathbf{r}_{\text{pred}}, \mathbf{v}_{\text{pred}}$)

$$T_{int} = T_{int} + 1$$

Force calculation ($\mathbf{a}, \dot{\mathbf{a}}$)

Correction ($\mathbf{r}_{\text{corr}}, \mathbf{v}_{\text{corr}}$)

$$T_{int} = T?$$

Output