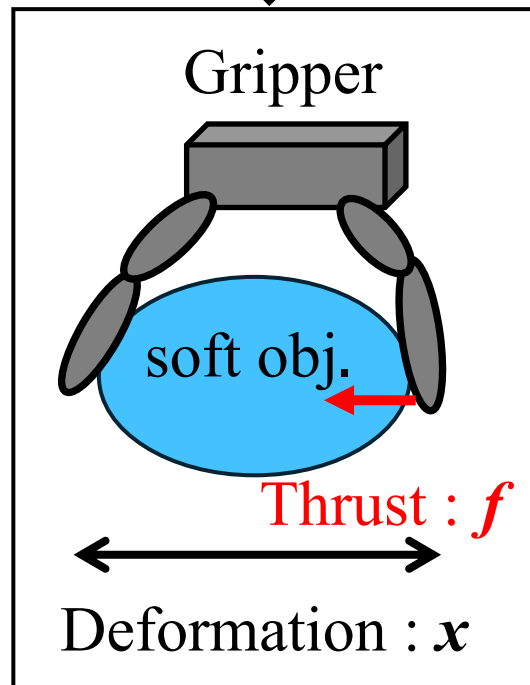
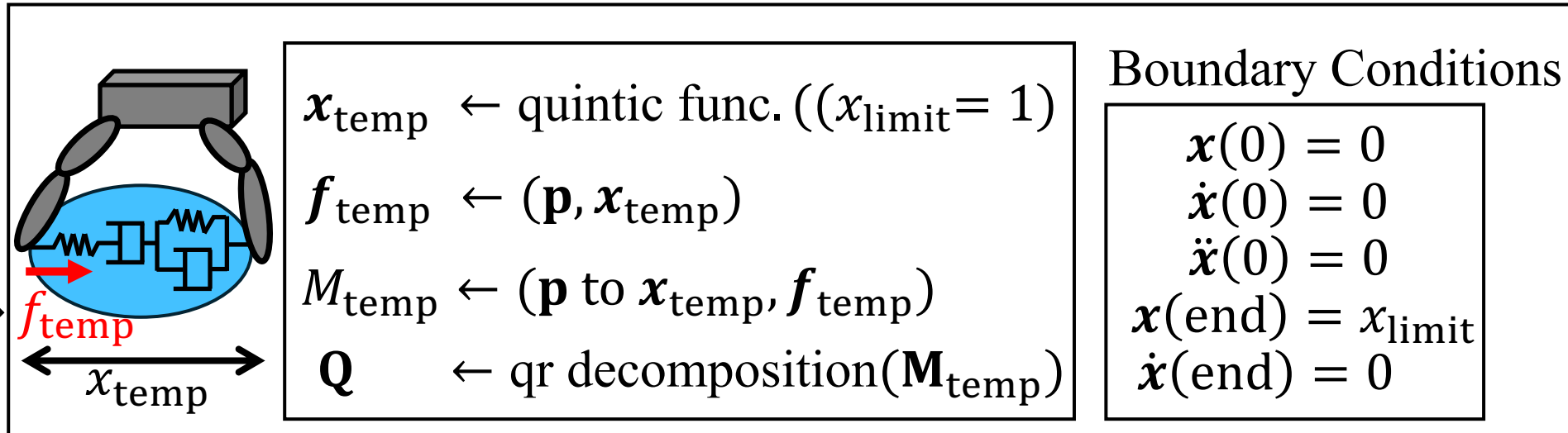


Initial Conditions

$\mathbf{x}_0 \leftarrow \text{quintic func. } (x_{\text{limit}})$
 $\mathbf{f}_0 \leftarrow \text{contact soft obj. } (\mathbf{x}_0)$



Orthogonal Matrix Generation ; \mathbf{Q}



noise

\mathbf{p}

Diagonal Matrix Generation ; \mathbf{R}

$O(\gamma) \gg \frac{O(\text{noise})}{O(\mathbf{p})} \quad \mathbf{R} \leftarrow \sqrt{\gamma} I_{4 \times 4}$

\mathbf{R}

$\mathbf{M}_v \leftarrow \mathbf{Q} \mathbf{R}$

$\mathbf{x} \leftarrow (\text{Column 1 of } \mathbf{M}_v)$

\mathbf{x}