



=

$$\Gamma^+(v_k; \zeta_{v_k}) \equiv$$

\equiv

$$v_k \odot \exp\left(\frac{\varepsilon_v^k}{2} s_v^k(\zeta_{v_k})\right) - \frac{\varepsilon_v^k}{2} \left[\partial_x S(x_k) \odot \exp\left(\varepsilon_v^k q_v^k(\zeta_{v_k})\right) + t_v^k(\zeta_{v_k}) \right]$$

v scaling

force scaling

translation



=

$$m^k \odot x_k + \bar{m}^k \odot$$

$$\bar{m}^k \odot$$

$$\Lambda^+(x_k; \zeta_{v_k}) \equiv$$

\equiv

$$x_k \odot \exp\left(\varepsilon_x^k s_x^k(\zeta_{x_k})\right) + \varepsilon_x^k \left[v'_k \odot \exp\left(\varepsilon_x^k q_x^k(\zeta_{x_k})\right) + t_x^k(\zeta_{x_k}) \right]$$

x scaling

v scaling

translation