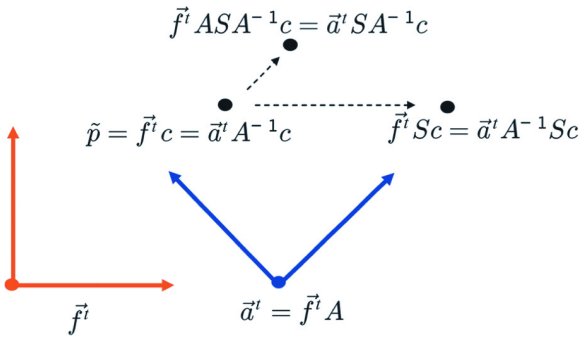
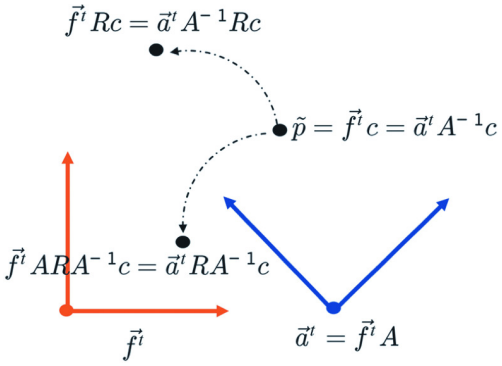
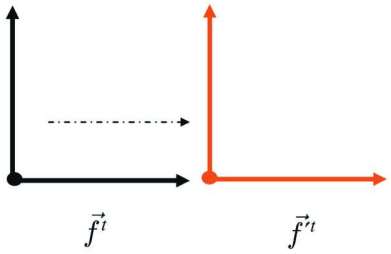
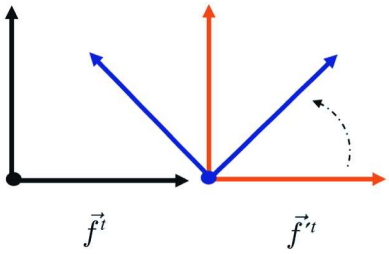

$\vec{f}^t ASA^{-1}c = \vec{a}^t SA^{-1}c$
$\tilde{p} = \vec{f}^t c = \vec{a}^t A^{-1}c$
$\vec{f}^t Sc = \vec{a}^t A^{-1}Sc$
$\vec{f}^t$
$\vec{a}^t = \vec{f}^t A$

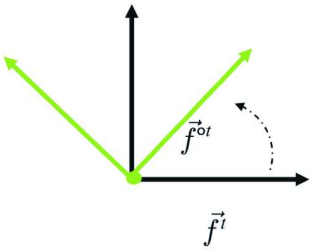

$\vec{f}^t Rc = \vec{a}^t A^{-1} Rc$
$\tilde{p} = \vec{f}^t c = \vec{a}^t A^{-1} c$
$\vec{f}^t ARA^{-1} c = \vec{a}^t RA^{-1} c$
$\vec{f}^t$
$\vec{a}^t = \vec{f}^t A$



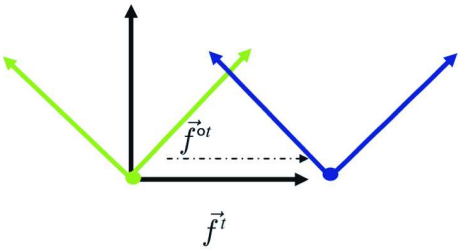
(a) Local translation



(a) Local rotation



(c) Global rotation



(c) Global translation