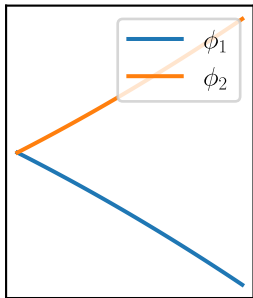
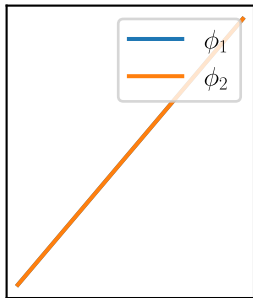


Torque on bend. strain:  $\tau_{\text{be}}$



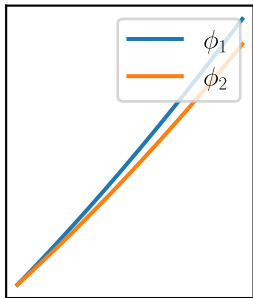
Control input  $\phi$

Torque on shear strain:  $\tau_{\text{sh}}$



Control input  $\phi$

Torque on axial strain:  $\tau_{\text{ax}}$



Control input  $\phi$