

NSGS-FP-VI-UPK (adaptive  $\text{tol}_{\text{local}}$ )  
NSGS-FP-VI-UPK (adaptive  $\text{tol}_{\text{local}}$  contact)  
NSGS-FP-VI-UPK ( $\text{tol}_{\text{local}} = 10^{-04}$ )  
NSGS-FP-VI-UPK ( $\text{tol}_{\text{local}} = 10^{-06}$ )  
NSGS-FP-VI-UPK ( $\text{tol}_{\text{local}} = 10^{-08}$ )



NSGS-FP-VI-UPK ( $\text{tol}_{\text{local}} = 10^{-10}$ )  
NSGS-FP-VI-UPK ( $\text{tol}_{\text{local}} = 10^{-12}$ )  
NSGS-FP-VI-UPK ( $\text{tol}_{\text{local}} = 10^{-14}$ )  
NSGS-FP-VI-UPK ( $\text{tol}_{\text{local}} = 10^{-16}$ )

