









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

NSGS-AC-GP ( $\text{tol}_{\text{local}} = 10^{-10}$ )   
NSGS-AC-GP ( $\text{tol}_{\text{local}} = 10^{-12}$ )   
NSGS-AC-GP ( $\text{tol}_{\text{local}} = 10^{-14}$ )   
NSGS-AC-GP ( $\text{tol}_{\text{local}} = 10^{-16}$ ) 