

PINS –  $d=3$ ,  $s \approx 0.855273$ ,  $\lambda \approx 154$ ,  $m \approx 0.0000$ ,  $J_{\text{val}} \approx 7.331328e+03$

RMSEtr = 171.1260, RMSEvl = 85.6232, RMSEts = 618.1682, RMSEtv = 154.28  
RMSEWtr = 75.4040, RMSEWvl = 111.2685, RMSEWts = 743.3852, RMSEWtv = 81.28

