

$\hat{M}_{XX} - d=4$, $s \approx 0.984822$, $\lambda \approx 3.04e+10$, $\hat{m} \approx 0.0000$, $J_{\text{val}} \approx 2.128846e+02$

$\text{RMSE}_{\text{tr}} = 46.3555$, $\text{RMSE}_{\text{vl}} = 14.5906$, $\text{RMSE}_{\text{ts}} = 230.8570$, $\text{RMSE}_{\text{tv}} = 40.802$

$\text{MSE}_{\text{Wtr}} = 35.5707$, $\text{RMSE}_{\text{Wvl}} = 19.4722$, $\text{RMSE}_{\text{Wts}} = 288.3739$, $\text{RMSE}_{\text{Wtv}} = 28$

