

# A Novel Approach to Temporal QoS Estimation via Extended Kalman Filter-Incorporated Latent Feature Analysis

## Supplementary File

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### I. INTRODUCTION

*This is the supplementary file for the paper entitled “A Novel Approach to Temporal QoS Estimation via Extended Kalman Filter-Incorporated Latent Feature Analysis”. It mainly contains the figures of additional experimental results regarding the speedup, convergence analysis, and hyperparameter sensitivity.*

### II. SUPPLEMENTARY FIGURES

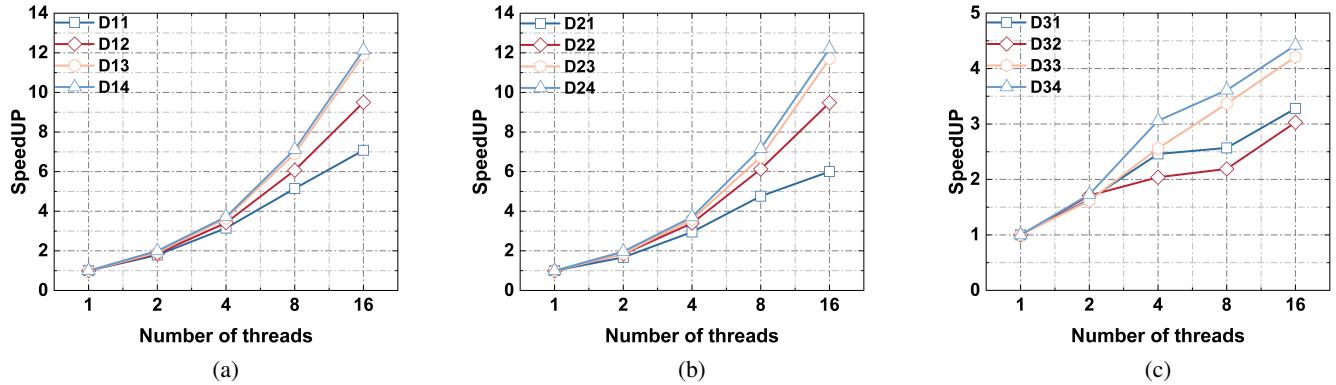


Fig. S1: Speedup of EKL as  $M$  varies from 1 to 16 on D1-D3.

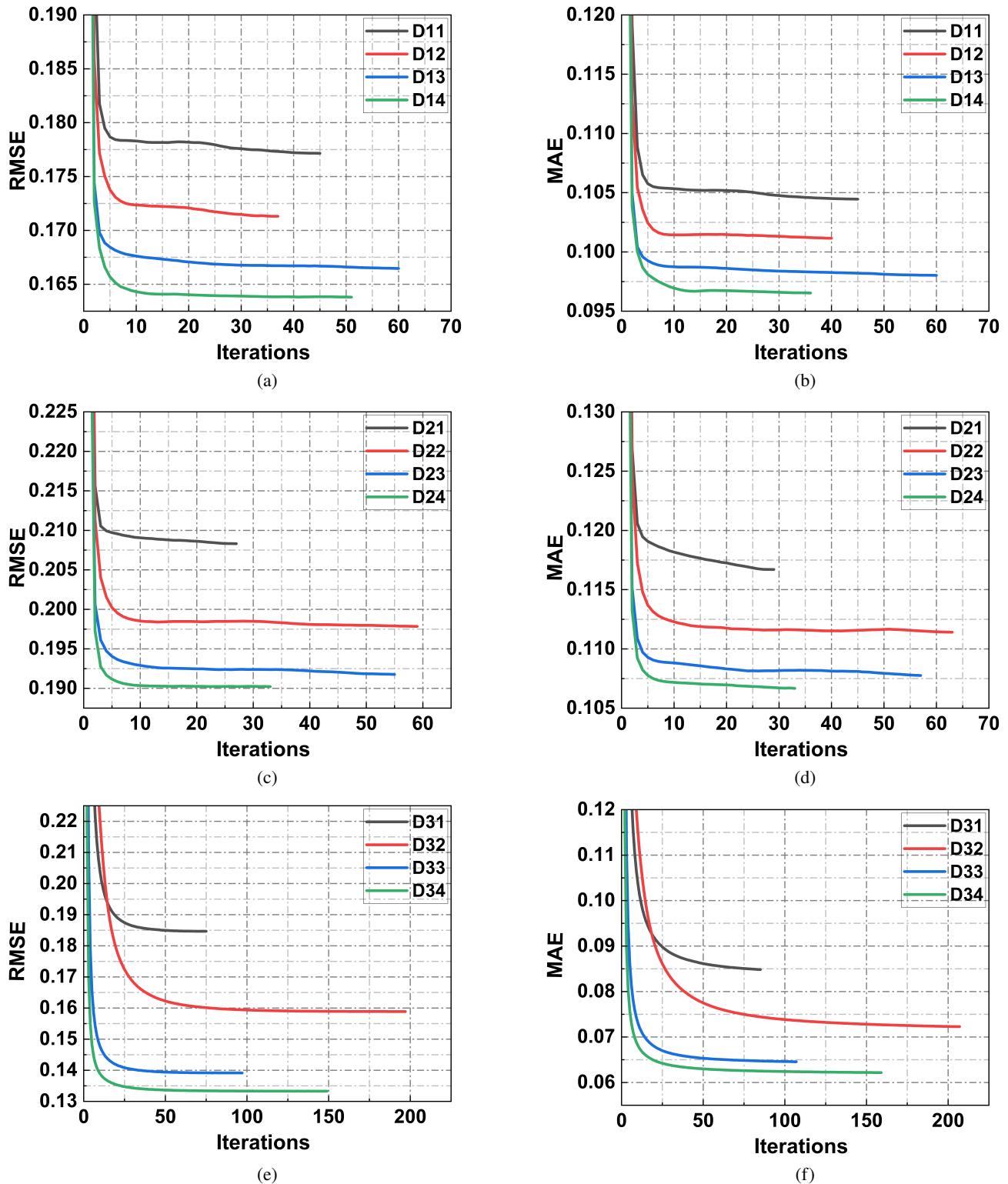


Fig. S2: Convergence curves on D1-D3.

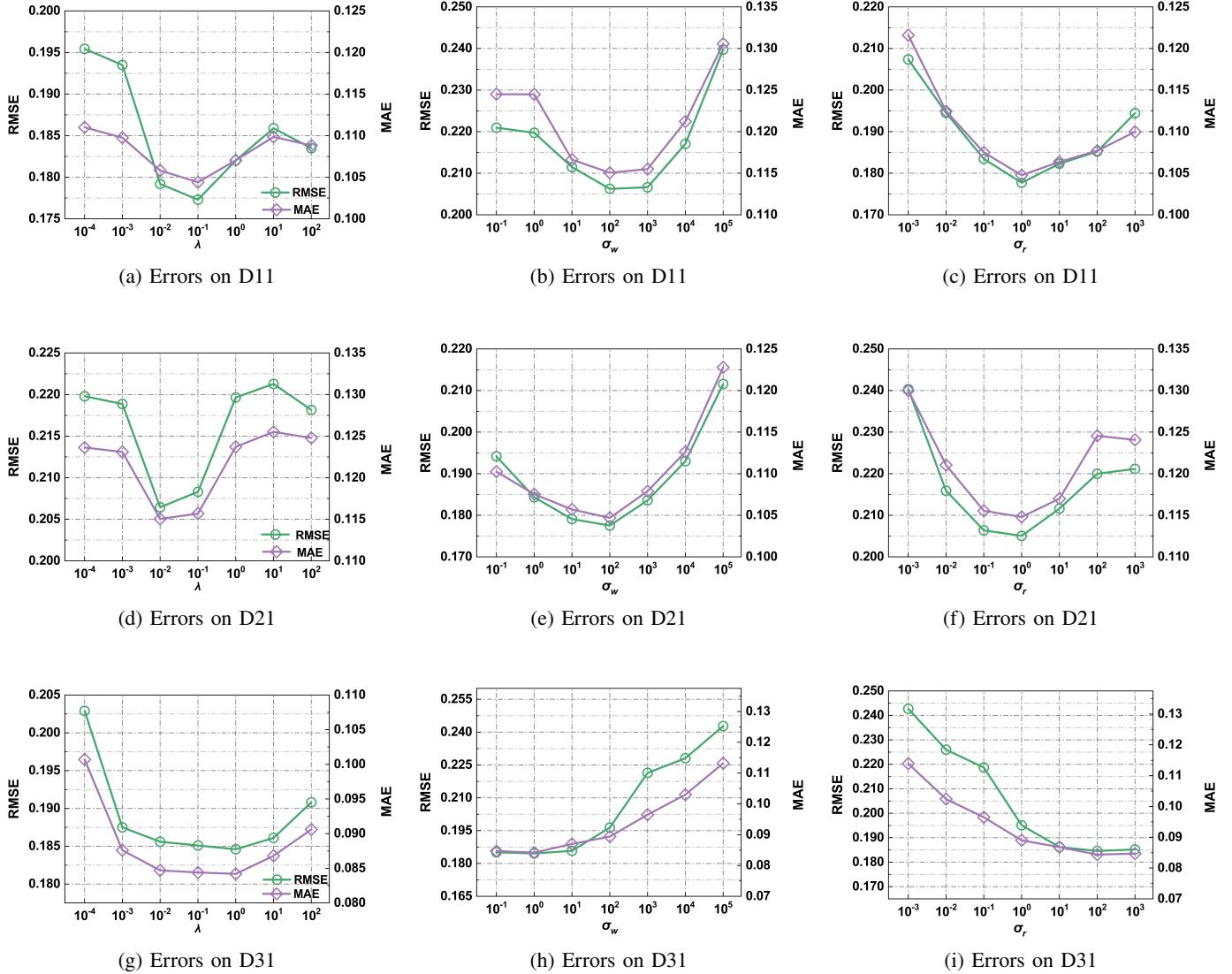


Fig. S3: Hyperparameter  $\lambda$ ,  $\sigma_w$  and  $\sigma_r$  sensitivity analysis.