

# A Node-collaboration-informed Graph Convolutional Network for Highly-Accurate Representation to Undirected Weighted Graph

## Supplementary File

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### I. INTRODUCTION

This is the supplementary file for the paper entitled “A Node-collaboration-informed Graph Convolutional Network for Highly-Accurate Representation to Undirected Weighted Graph”. It mainly contains the figures of experimental results.

### II. SUPPLEMENTARY FIGURES

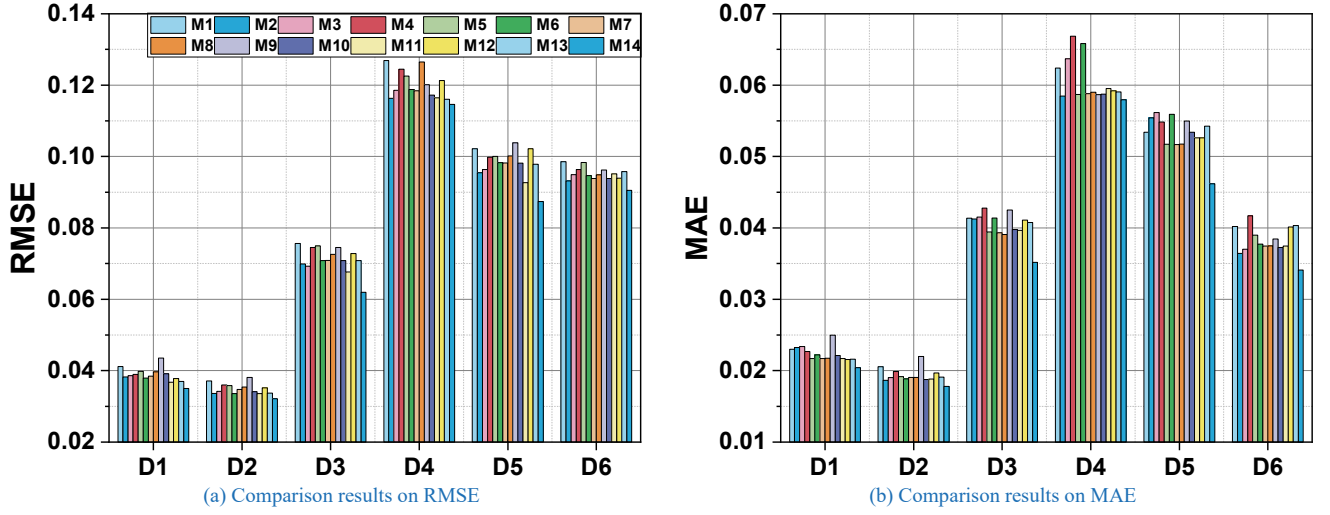


Fig. S1. Lowest RMSE/MAE of compared models; all panels share (a)'s legend.

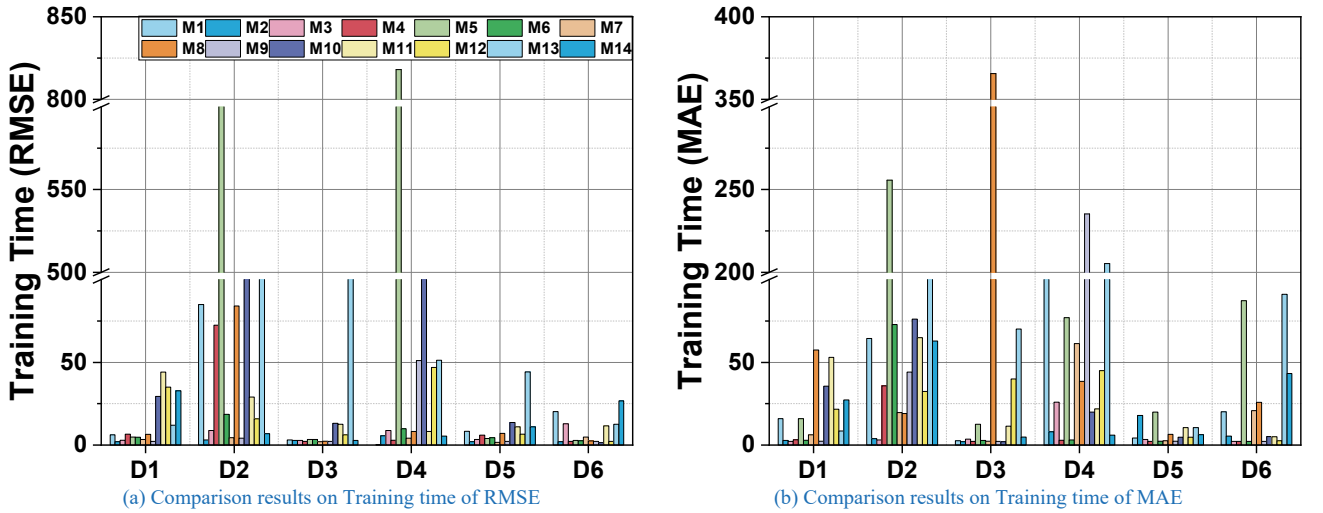


Fig. S2. Training time of compared models; all panels share (a)'s legend.

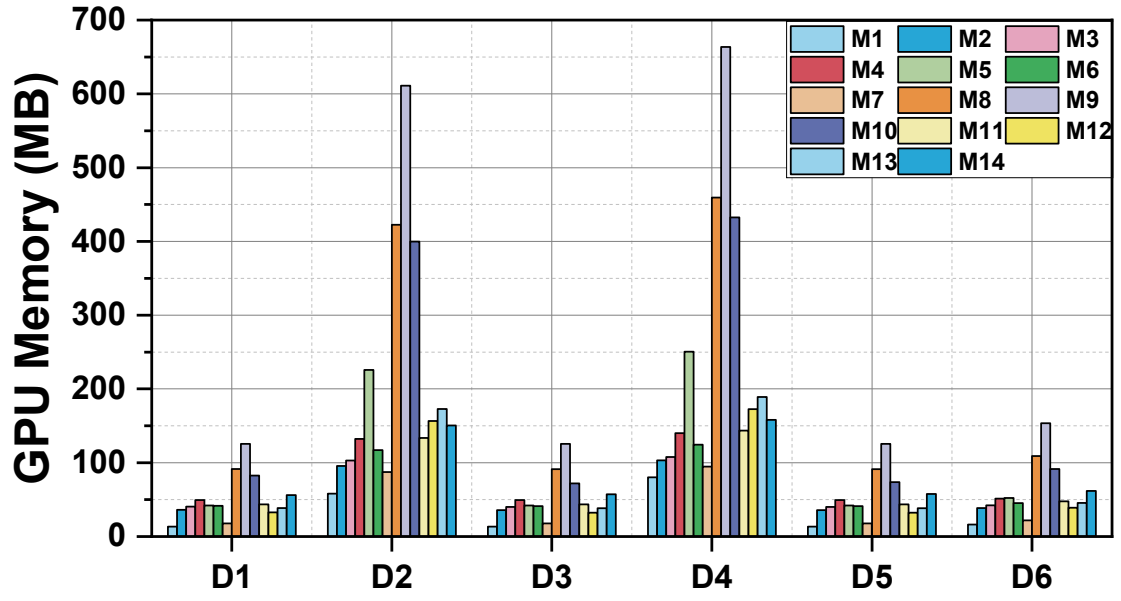


Fig. S3. GPU memory usage of compared models.

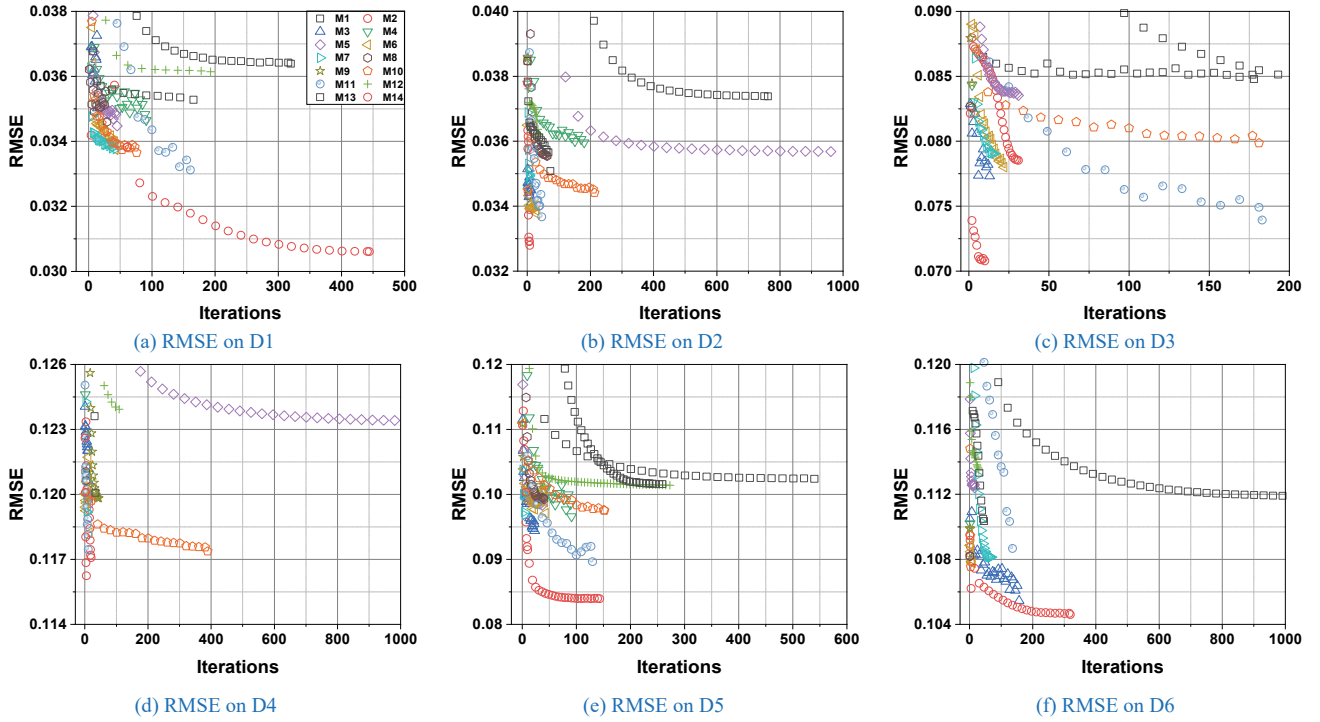


Fig. S4. Training curves of compared models on RMSE; all panels share panel (a)'s legend.

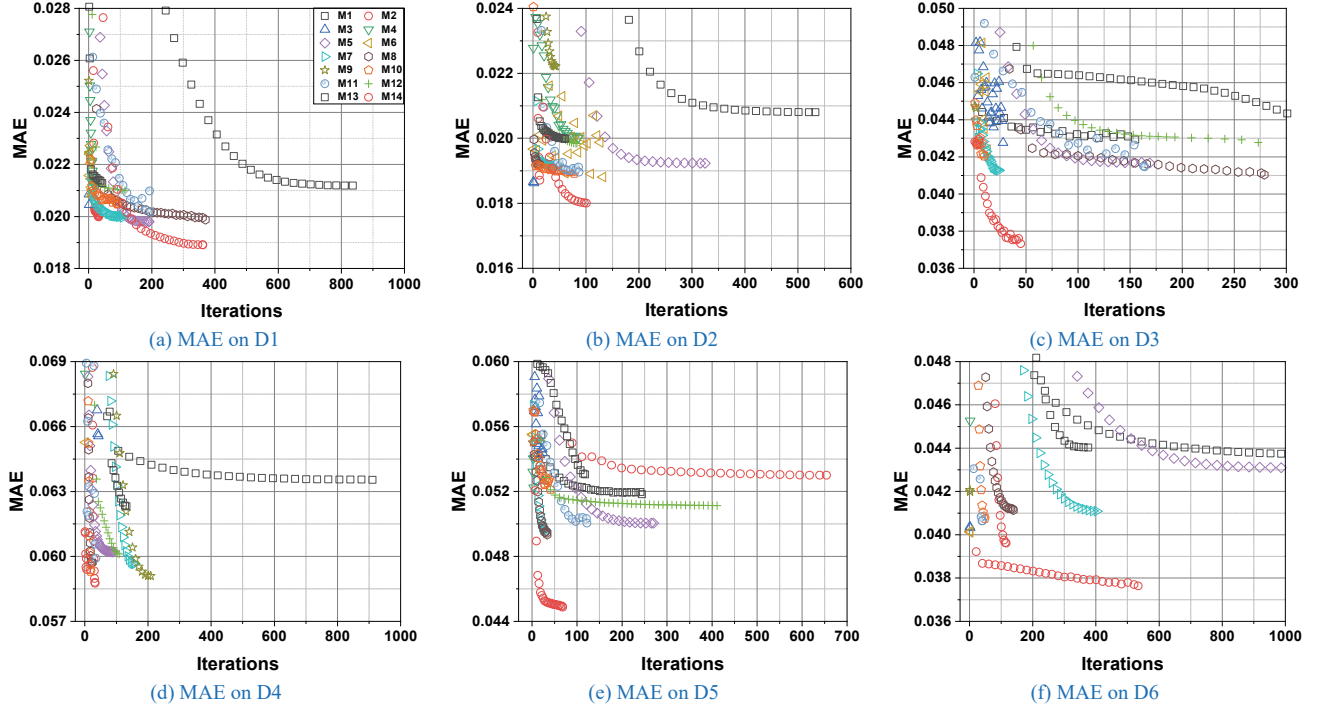


Fig. S5. Training curves of compared models on MAE; all panels share panel (a)'s legend.

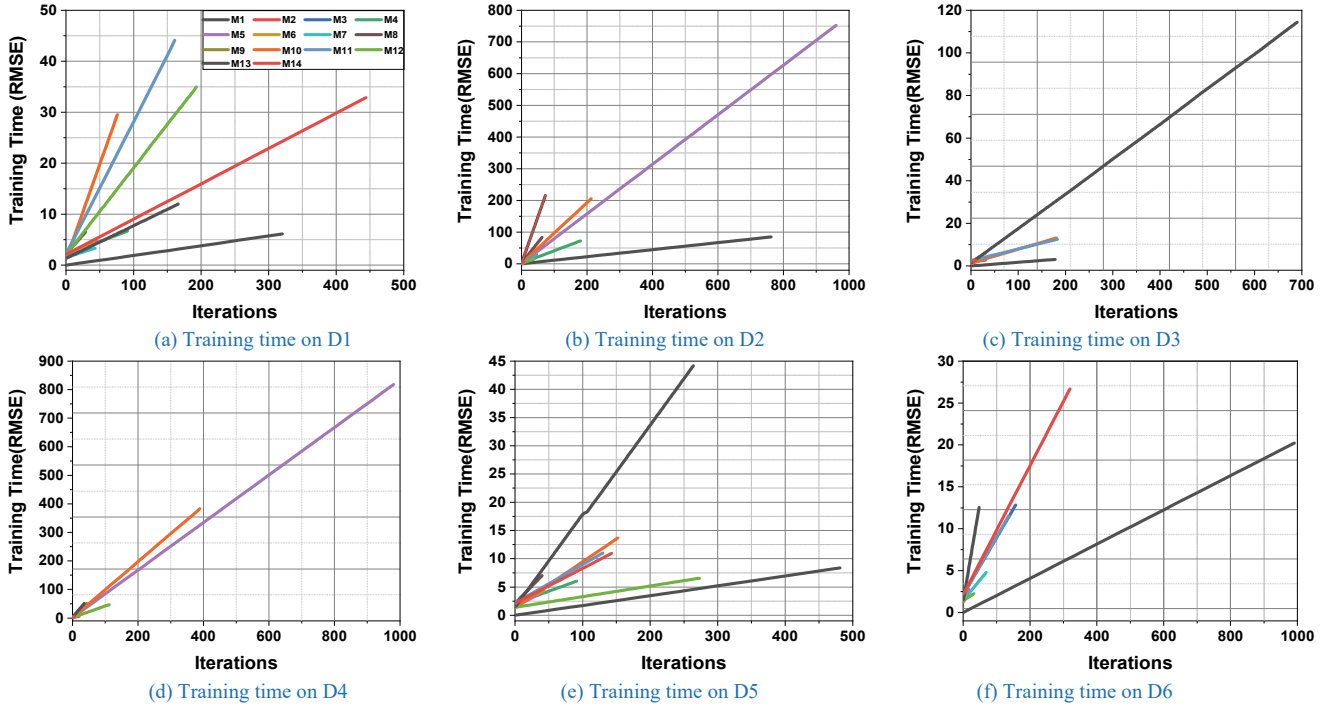


Fig. S6. Training time curves of compared models on RMSE; all panels share panel (a)'s legend.

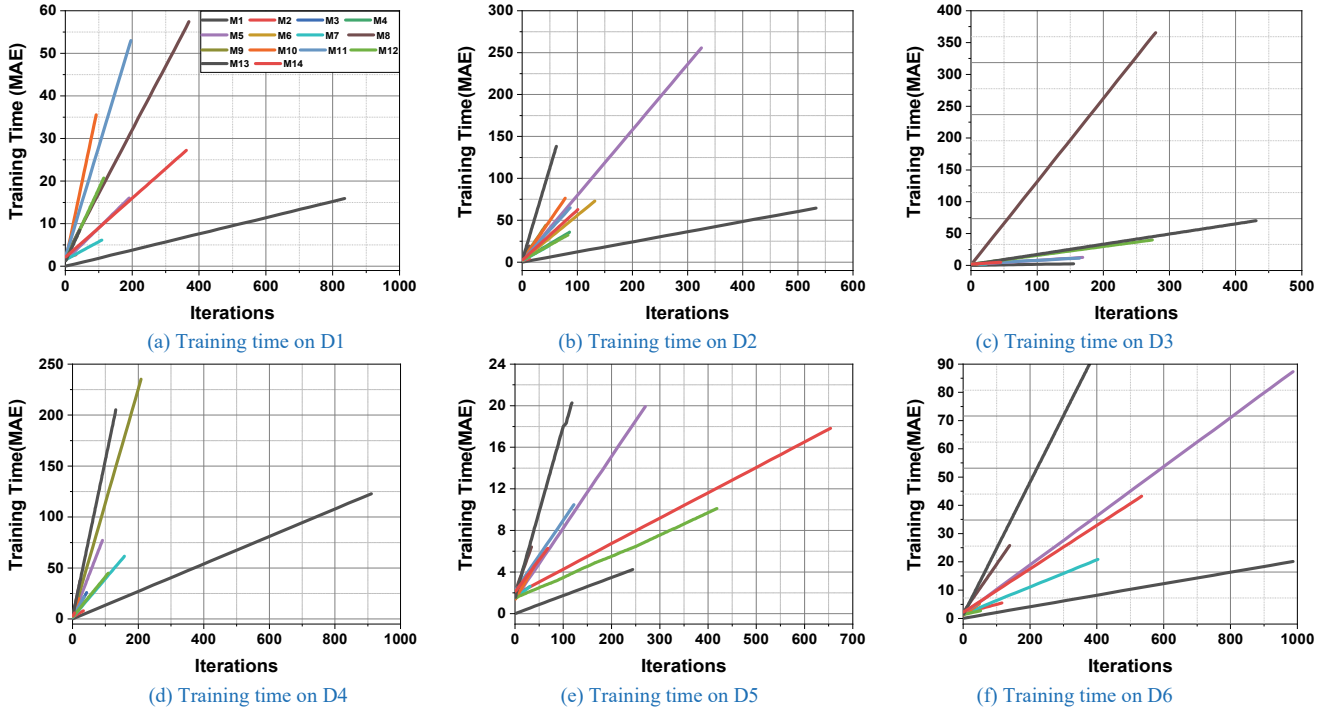


Fig. S7. Training time curves of compared models on MAE; all panels share panel (a)'s legend.

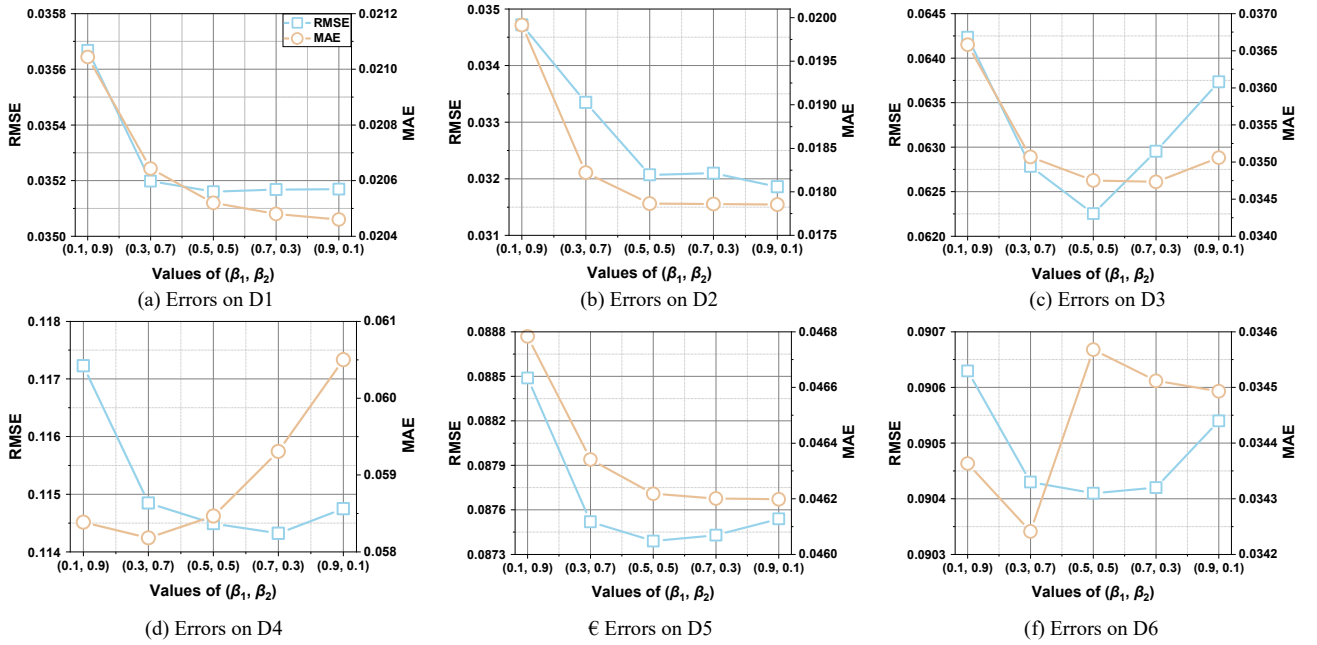


Fig. S8. NGCN's estimation errors as  $\beta_1$  and  $\beta_2$  vary; all panels share panel (a)'s legend.

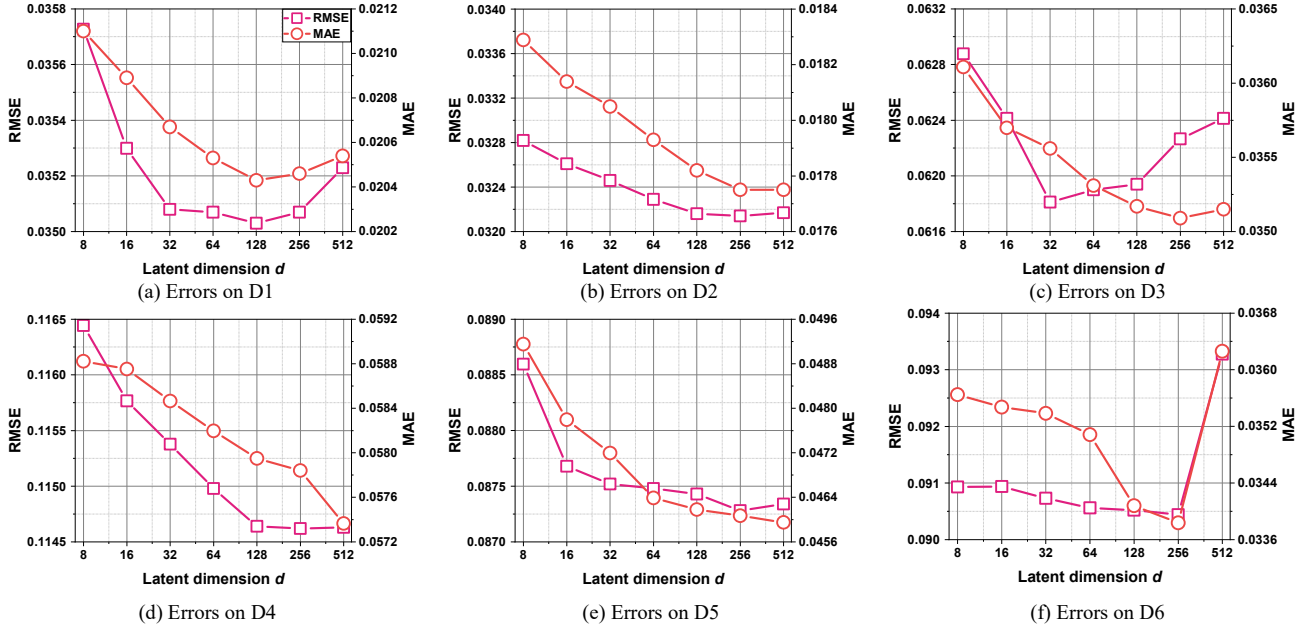


Fig. S9. NGCN's estimation errors as  $d$  varies; all panels share panel (a)'s legend.