Supplementary Materials

1 Results of Synthetic Data

The supplementary results of the synthetic datasets(lastfm and Arxiv) have the same patterns as in the paper. Figures 1-3 are the results of the lastfm dataset, and figures 4-6 are the results of the Arxiv dataset. In the three subplots of all figures, he seed sizes are 10%, 20%, and 50% of the number of overlaps. The curves and error bars show the means and variances of multiple experiments.
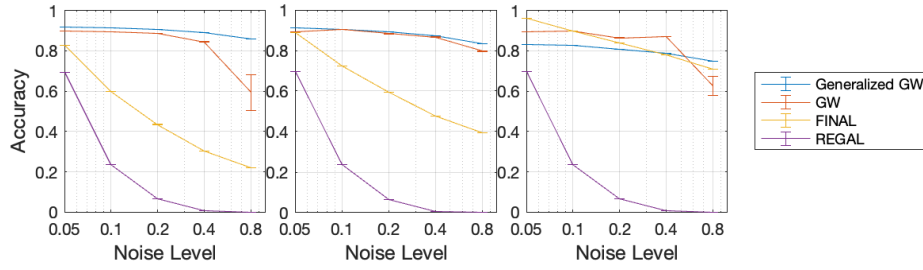
1.1 Lastfm

Fig. 1: **The network alignment accuracy as a function of noise level. The three subfigures indicate three different seed sizes.**
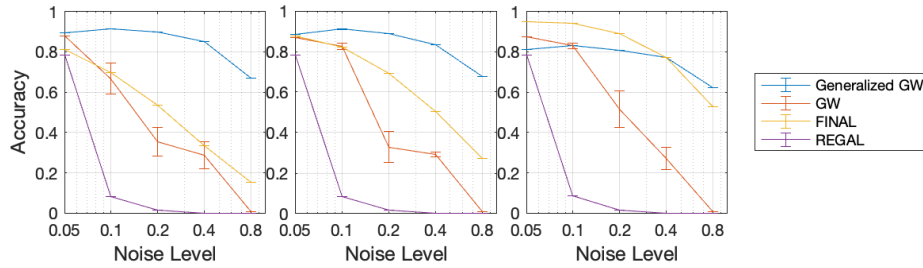

Fig. 2: **The network alignment accuracy as a function of noise level(by swapping nodes of two edges). The three subfigures indicate three different seed sizes.**
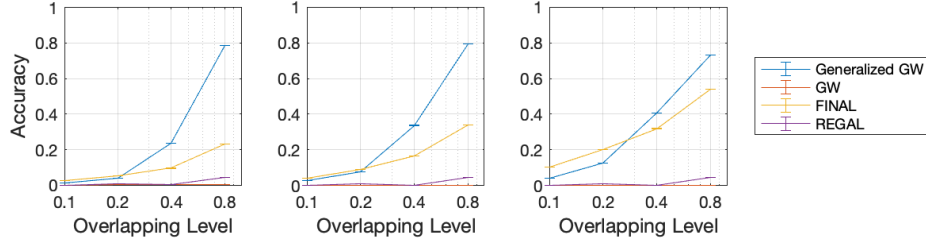
Fig. 3: **The network alignment accuracy as a function of overlap rate. The three subfigures indicate three different seed sizes.** In all experiments, the noise level is 20%.
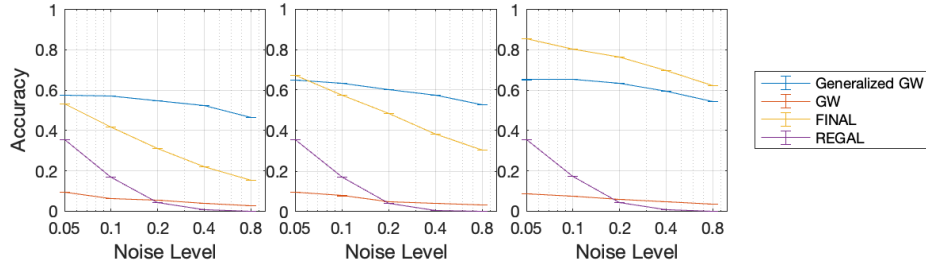
1.2 Arxiv

Fig. 4: **The network alignment accuracy as a function of noise level. The three subfigures indicate three different seed sizes.**
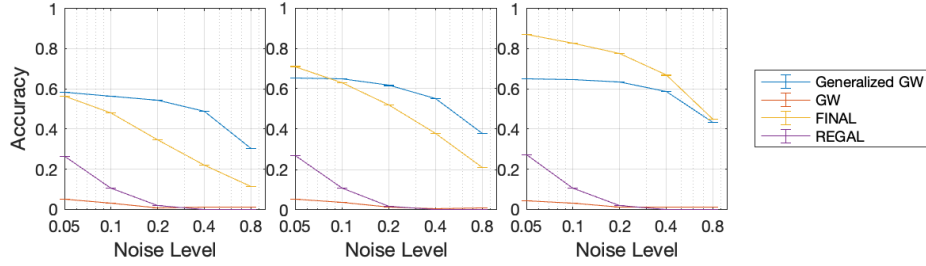

Fig. 5: **The network alignment accuracy as a function of noise level(by swapping nodes of two edges). The three subfigures indicate three different seed sizes.**
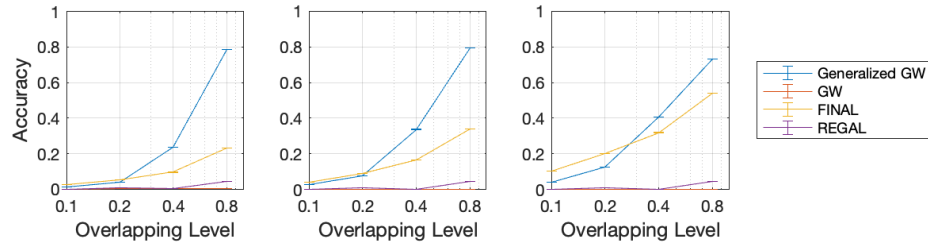
Fig. 6: **The network alignment accuracy as a function of overlap rate. The three subfigures indicate three different seed sizes.** In all experiments, the noise level is 20%.