

Table1: Test accuracy (%)) on heterophilous graphs with flip noise and standard semi-supervised learning setting.

| Datasets | p | GCN | Coteaching | RTGNN | GNN Cleaner | ERASE | GOAL-V1 | GOAL-V2 |
|-----------|-----|-------|------------|-------|-------------|-------|--------------|--------------|
| Chameleon | 0.2 | 47.14 | 47.63 | 46.59 | 47.81 | 45.37 | 55.69 | 54.32 |
| | 0.4 | 40.55 | 41.53 | 40.39 | 41.15 | 41.72 | 54.50 | 53.49 |
| | 0.6 | 36.94 | 39.43 | 37.61 | 38.44 | 35.92 | 50.83 | 52.01 |
| Actor | 0.2 | 27.05 | 27.10 | 26.83 | 25.47 | 25.96 | 29.75 | 28.04 |
| | 0.4 | 26.39 | 26.95 | 25.89 | 25.14 | 24.36 | 29.19 | 27.95 |
| | 0.6 | 25.99 | 25.03 | 24.27 | 23.60 | 24.28 | 27.74 | 27.88 |
| Squirrel | 0.2 | 28.14 | 29.60 | 27.49 | 28.71 | 26.35 | 34.99 | 34.78 |
| | 0.4 | 27.83 | 29.36 | 26.22 | 27.18 | 26.03 | 34.79 | 33.94 |
| | 0.6 | 26.54 | 28.89 | 25.96 | 27.09 | 24.98 | 33.09 | 33.59 |

Table2: Test accuracy (%) with uniform noise and standard semi-supervised learning setting.

| Datasets | p | GCN | Coteaching | RTGNN | GNN Cleaner | ERASE | GOAL-V1 | GOAL-V2 |
|-----------|-----|-------|------------|-------|-------------|-------|--------------|--------------|
| Cora | 0.2 | 76.20 | 74.27 | 74.58 | 78.15 | 79.74 | 80.10 | 79.97 |
| | 0.4 | 71.51 | 72.59 | 73.17 | 74.25 | 77.06 | 78.97 | 77.62 |
| | 0.6 | 59.43 | 62.61 | 63.52 | 64.81 | 68.74 | 71.83 | 73.71 |
| Citeseer | 0.2 | 65.64 | 66.10 | 67.50 | 68.16 | 68.95 | 70.35 | 70.10 |
| | 0.4 | 60.85 | 63.35 | 63.72 | 65.43 | 66.19 | 68.68 | 68.02 |
| | 0.6 | 50.37 | 55.79 | 54.37 | 54.18 | 56.25 | 61.53 | 64.78 |
| Pubmed | 0.2 | 74.67 | 75.61 | 74.28 | 75.83 | 76.07 | 78.43 | 77.48 |
| | 0.4 | 70.32 | 71.84 | 70.25 | 71.64 | 72.31 | 76.93 | 75.97 |
| | 0.6 | 67.85 | 68.13 | 69.15 | 70.28 | 69.37 | 76.71 | 75.38 |
| Chameleon | 0.2 | 49.00 | 47.16 | 46.58 | 48.31 | 47.75 | 53.21 | 53.03 |
| | 0.4 | 45.87 | 45.96 | 42.19 | 44.62 | 44.37 | 52.75 | 51.83 |
| | 0.6 | 40.01 | 39.82 | 39.86 | 41.29 | 40.83 | 50.46 | 51.47 |
| Actor | 0.2 | 27.29 | 27.69 | 26.90 | 27.39 | 26.15 | 29.83 | 29.57 |
| | 0.4 | 26.93 | 27.43 | 26.73 | 26.81 | 25.49 | 29.45 | 29.38 |
| | 0.6 | 26.60 | 27.40 | 25.18 | 26.04 | 24.33 | 29.12 | 29.14 |
| Squirrel | 0.2 | 31.02 | 30.15 | 30.56 | 29.28 | 28.37 | 35.28 | 34.93 |
| | 0.4 | 30.58 | 30.22 | 29.75 | 28.03 | 28.29 | 34.30 | 33.95 |
| | 0.6 | 27.75 | 27.56 | 26.80 | 27.49 | 25.14 | 32.61 | 33.28 |

From the above tables, we can see that GOAL achieves the best performance in all cases. This further shows that it can consistently provide superior results under the semi-supervised setting.