表3.1 数据库表设计

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **数据集** | **模型** | **2层** | **4层** | **8层** | **16层** |
| Cora | GCN | 87.15 | 85.94 | 86.35 | 26.51 |
| GCN(WD) | 85.94 | 87.55 | 85.94 | 42.17 |
| Citeseer | GCN | 76.42 | 75.94 | 72.64 | 63.21 |
| GCN(WD) | 76.42 | 75 | 75 | 72.64 |
| Pubmed | GCN | 86.87 | 85.6 | 84.43 | 59.99 |
| GCN(WD) | 85.55 | 86.11 | 84.69 | 70.59 |



表3.1 数据库表设计

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| --- | --- | --- | --- | --- | --- |
| **数据集** | **模型** | **2层** | **4层** | **8层** | **16层** |
| Cora | GCN | 85.14 | 83.94 | 85.14 | 26.51 |
| GCN(ES) | 87.15 | 85.94 | 86.35 | 26.51 |
| Citeseer | GCN | 69.81 | 67.92 | 68.4 | 69.81 |
| GCN(ES) | 76.42 | 75.94 | 72.64 | 63.21 |
| Pubmed | GCN | 86.46 | 84.94 | 84.08 | 40.37 |
| GCN(ES) | 86.87 | 85.6 | 84.43 | 59.99 |



表3.1 数据库表设计

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| --- | --- | --- | --- | --- | --- |
| **数据集** | **模型** | **2层** | **4层** | **8层** | **16层** |
| Cora | GCN | 87.15 | 85.94 | 86.35 | 26.51 |
| GCN(DO) | 88.76 | 87.15 | 87.95 | 33.33 |
| Citeseer | GCN | 76.42 | 75.94 | 72.64 | 63.21 |
| GCN(DO) | 75.94 | 75.94 | 74.53 | 76.42 |
| Pubmed | GCN | 86.87 | 85.6 | 84.43 | 59.99 |
| GCN(DO) | 88.44 | 85.85 | 84.94 | 82.25 |



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| --- | --- | --- | --- | --- | --- |
| **数据集** | **模型** | **2层** | **4层** | **8层** | **16层** |
| Cora | GCN | 86.35 | 83.13 | 86.35 | 30.92 |
| GCN(Xa) | 87.15 | 89.16 | 85.14 | 30.92 |
| Citeseer | GCN | 76.89 | 74.06 | 71.7 | 65.28 |
| GCN(Xa) | 79.25 | 76.89 | 75.94 | 64.32 |
| Pubmed | GCN | 86.56 | 85.5 | 84.03 | 44.02 |
| GCN(Xa) | 86.41 | 85.8 | 83.37 | 54.87 |



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| --- | --- | --- | --- | --- | --- |
| **数据集** | **模型** | **2层** | **4层** | **8层** | **16层** |
| Cora | GCN | 87.15 | 89.16 | 85.14 | 30.92 |
| GCN(GC) | 87.15 | 85.94 | 85.54 | 69.08 |
| Citeseer | GCN | 79.25 | 76.89 | 75.94 | 64.32 |
| GCN(GC) | 76.42 | 75.94 | 72.64 | 71.23 |
| Pubmed | GCN | 86.41 | 85.8 | 83.37 | 54.87 |
| GCN(GC) | 86.87 | 85.6 | 84.43 | 60.9 |



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| --- | --- | --- | --- | --- | --- |
| **数据集** | **模型** | **2层** | **4层** | **8层** | **16层** |
| Cora | GCN | 87.15 | 89.16 | 85.14 | 30.92 |
| GCN(BN) | 77.51 | 77.51 | 81.93 | 85.54 |
| Citeseer | GCN | 79.25 | 76.89 | 75.94 | 64.32 |
| GCN(BN) | 67.92 | 61.79 | 70.28 | 73.58 |
| Pubmed | GCN | 86.41 | 85.8 | 83.37 | 54.87 |
| GCN(BN) | 87.73 | 85.45 | 83.92 | 83.57 |



|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **模型** | **Cora** | **Cite.** | **Pubm.** | **Cham.** | **Squi.** | **Actor** | **Corn.** | **Texa.** | **Wisc.** |
| SGC | 2708 | 3327 | 19717 | 2277 | 5201 | 7600 | 183 | 183 | 251 |
| SGC(DR0) | 4 | 6.5 | 4.5 | 2.5 | 2.5 | 3 | 2 | 1.5 | 2 |
| SGC(DR1) | 0.83 | 0.71 | 0.79 | 0.25 | 0.22 | 0.24 | 0.11 | 0.06 | 0.16 |
| GCN |  |  |  |  |  |  |  |  |  |
| GCN(DR0) |  |  |  |  |  |  |  |  |  |
| GCN(DR1) |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **模型** | **Cora** | **Cite.** | **Pubm.** | **Cham.** | **Squi.** | **Actor** | **Corn.** | **Texa.** | **Wisc.** |
| SGC | 2708 | 3327 | 19717 | 2277 | 5201 | 7600 | 183 | 183 | 251 |
| SGC(WE) | 4 | 6.5 | 4.5 | 2.5 | 2.5 | 3 | 2 | 1.5 | 2 |
| GCN |  |  |  |  |  |  |  |  |  |
| GCN(WE) |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **模型** | **Cora** | **Cite.** | **Pubm.** | **Cham.** | **Squi.** | **Actor** | **Corn.** | **Texa.** | **Wisc.** |
| GCN |  |  |  |  |  |  |  |  |  |
| GCN(RES0) |  |  |  |  |  |  |  |  |  |
| GCN(RES1) |  |  |  |  |  |  |  |  |  |
| GCN(DEN) |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **模型** | **Cora** | **Cite.** | **Pubm.** | **Cham.** | **Squi.** | **Actor** | **Corn.** | **Texa.** | **Wisc.** |
| SGC | 2708 | 3327 | 19717 | 2277 | 5201 | 7600 | 183 | 183 | 251 |
| SGC(SE) | 4 | 6.5 | 4.5 | 2.5 | 2.5 | 3 | 2 | 1.5 | 2 |
| GCN |  |  |  |  |  |  |  |  |  |
| GCN(SE) |  |  |  |  |  |  |  |  |  |