**表1 不同分类器手写体数字识别率（测试样本数目10000）**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 训练样本数目  识别率（%）  分类器 | 2000 | 6000 | 10000 | 30000 | 60000 |
| ANN | 87.58 | 92.65 | 93.68 | 95.57 | 95.96 |
| KNN | 85.76 | 90.19 | 91.87 | 93.73 | 95.03 |
| RForest | 85.95 | 89.79 | 89.81 | 91.56 | 91.56 |
| SVM | 62.51 | 76.88 | 80.05 | 94.38 | 96.31 |

**表2 不同核函数的支持向量机手写体数字识别率**

**（测试样本数目10000）**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 训练样本数目  识别率（%）  分类器 | 2000 | 6000 | 10000 | 30000 | 6000 |
| LINEAR | 89.16 | 91.61 | 92.34 | 93.07 | 93.21 |
| RBF | 86.47 | 93.70 | 95.64 | 97.20 | 97.67 |
| POLY | 92.58 | 95.90 | 96.81 | 96.54 | 97.39 |