|  |  |
| --- | --- |
|  | School of Information Science and Engineering  射频电路建模与CAD方法（双语）  编号:B0433111 |

Final Lab: DPD Extraction and Validation

Student Number: 04022212, 04022114

Name: 钟源, 贾岩森

·Report

# 1. Introduction

# 2. The selection of methods

## 2.10 Comparison and Summary

我们对比了不同方法提高系统线性化程度的性能，得到了下表：

|  |  |
| --- | --- |
| 方法 | MATLAB仿真环境下，相对NMSE(dB) |
| NN（M=7） | -16.64 |
| SVM（M=7） |  |
| Tree（M=7） |  |
| DNN（M=7） |  |
| CNN（M=7） | -33.67 |
| FCN（M=15） | -41.46 |
| LSTM（M=） |  |
| Bi-LSTM（M=） |  |
| GRU（M=7） | -42.13 |
| Simple-FCN（M=7） | -17.27 |

# 3. Schematics, figures and results

## 3.1 Model A1

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## 3.2 Model A2

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## 3.3 Model B1

## 3.4 Model Evaluation

**模型评估表**

|  |  |
| --- | --- |
| 模型 | SystemVue(dB) |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

# 4. Conclusion

**5. A brief summary of this experiment**

**5.1 Member 1：04022212钟源**

**5.2 Member 2：04022114贾岩森**