以下是BPSK测试结果，主要对比了在不同信噪比条件下的错误码元数：

8x32规模 都迭代10000次

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 方式 | -10 | -5 | 0 | 5 | 10 |
| yalmip求解 | 4522 | 528 | 24 | 0 | 0 |
| 枚举 | 4497 | 504 | 29 | 1 | 0 |

16x64规模 都迭代10000次

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 方式 | -10 | -5 | 0 | 5 | 10 | 时间 |
| yalmip求解 | 3111 | 154 | 2 | 0 | 0 | 3348s |
| 枚举 | 3110 | 164 | 1 | 0 | 0 | 6208s |

20x128的规模 枚举所耗费的时间太长，所以只迭代到917次，作为对比yalmip求解时也迭代到917次

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 方式 | -10 | -5 | 0 | 5 | 10 | 时间 |
| yalmip求解 | 38 | 0 | 0 | 0 | 0 | 456s |
| 枚举 | 36 | 0 | 0 | 0 | 0 | 14723s |

22x128的规模

枚举极慢

24x128的规模 都迭代10000次

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 方式 | -10 | -5 | 0 | 5 | 10 | 时间 |
| yalmip求解 | 608 | 8 | 0 | 0 | 0 | 5962s |
| 枚举 | 枚举无法进行 | | | | | |