Final draft report part II

Test 7

Test audio s1.wav is closest to speaker: s1

Test audio s2.wav is closest to speaker: s2

Test audio s3.wav is closest to speaker: s3

Test audio s4.wav is closest to speaker: s4

Test audio s5.wav is closest to speaker: s5

Test audio s6.wav is closest to speaker: s6

Test audio s7.wav is closest to speaker: s7

Test audio s8.wav is closest to speaker: s3

Accuracy is 87.5%

Test 8

Notch Filter:

F=40, Q=6：

Test audio s1.wav is closest to speaker: s1

Test audio s2.wav is closest to speaker: s2

Test audio s3.wav is closest to speaker: s3

Test audio s4.wav is closest to speaker: s4

Test audio s5.wav is closest to speaker: s5

Test audio s6.wav is closest to speaker: s6

Test audio s7.wav is closest to speaker: s7

Test audio s8.wav is closest to speaker: s3

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Accuracy is 87.5%

F=400, Q=6：

Test audio s1.wav is closest to speaker: s1

Test audio s2.wav is closest to speaker: s2

Test audio s3.wav is closest to speaker: s3

Test audio s4.wav is closest to speaker: s4

Test audio s5.wav is closest to speaker: s2

Test audio s6.wav is closest to speaker: s6

Test audio s7.wav is closest to speaker: s8

Test audio s8.wav is closest to speaker: s3

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Accuracy is 62.5%

F=1500, Q=6：

Test audio s1.wav is closest to speaker: s1

Test audio s2.wav is closest to speaker: s2

Test audio s3.wav is closest to speaker: s3

Test audio s4.wav is closest to speaker: s4

Test audio s5.wav is closest to speaker: s5

Test audio s6.wav is closest to speaker: s6

Test audio s7.wav is closest to speaker: s8

Test audio s8.wav is closest to speaker: s3

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Accuracy is 75%

F=2500, Q=6：

Test audio s1.wav is closest to speaker: s1

Test audio s2.wav is closest to speaker: s2

Test audio s3.wav is closest to speaker: s3

Test audio s4.wav is closest to speaker: s4

Test audio s5.wav is closest to speaker: s5

Test audio s6.wav is closest to speaker: s6

Test audio s7.wav is closest to speaker: s7

Test audio s8.wav is closest to speaker: s5

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Accuracy is 87.5%

It has been demonstrated that my speech recognition system exhibits instability when key frequencies of the speech signal are interfered with, while it shows better stability against disturbances at some marginal frequencies.

Test9

Test audio Zero_test1.wav is closest to speaker: Zero_train1

Test audio Zero_test2.wav is closest to speaker: Zero_train2

Test audio Zero_test3.wav is closest to speaker: Zero_train3

Test audio Zero_test4.wav is closest to speaker: Zero_train4

Test audio Zero_test6.wav is closest to speaker: Zero_train6

Test audio Zero_test7.wav is closest to speaker: Zero_train10

Test audio Zero_test8.wav is closest to speaker: Zero_train8

Test audio Zero_test9.wav is closest to speaker: Zero_train9

Test audio Zero_test10.wav is closest to speaker: Zero_train1

Test audio Zero_test11.wav is closest to speaker: Zero_train11

Accuracy is 80%

Test10

Test audio Zero_test1.wav is closest to speaker: Zero_train1

Test audio Zero_test2.wav is closest to speaker: Zero_train2

Test audio Zero_test3.wav is closest to speaker: Zero_train3

Test audio Zero_test4.wav is closest to speaker: Zero_train4

Test audio Zero_test6.wav is closest to speaker: Zero_train6

Test audio Zero_test7.wav is closest to speaker: Zero_train7

Test audio Zero_test8.wav is closest to speaker: Zero_train8

Test audio Zero_test9.wav is closest to speaker: Zero_train9

Test audio Zero_test10.wav is closest to speaker: Zero_train1

Test audio Zero_test11.wav is closest to speaker: Zero_train11

Test audio Zero_test12.wav is closest to speaker: Zero_train12

Test audio Zero_test13.wav is closest to speaker: Zero_train13

Test audio Zero_test14.wav is closest to speaker: Zero_train14

Test audio Zero_test15.wav is closest to speaker: Zero_train15

Test audio Zero_test16.wav is closest to speaker: Zero_train16

Test audio Zero_test17.wav is closest to speaker: Zero_train17

Test audio Zero_test18.wav is closest to speaker: Zero_train18

Test audio Zero_test19.wav is closest to speaker: Zero_train19

Test audio Twelve_test1.wav is closest to speaker: Twelve_train4

Test audio Twelve_test2.wav is closest to speaker: Twelve_train2

Test audio Twelve_test3.wav is closest to speaker: Twelve_train3

Test audio Twelve_test4.wav is closest to speaker: Twelve_train4

Test audio Twelve_test6.wav is closest to speaker: Twelve_train6

Test audio Twelve_test7.wav is closest to speaker: Twelve_train7

Test audio Twelve_test8.wav is closest to speaker: Twelve_train8

Test audio Twelve_test9.wav is closest to speaker: Twelve_train9

Test audio Twelve_test10.wav is closest to speaker: Twelve_train10

Test audio Twelve_test11.wav is closest to speaker: Twelve_train11

Test audio Twelve_test12.wav is closest to speaker: Twelve_train12

Test audio Twelve_test13.wav is closest to speaker: Twelve_train13

Test audio Twelve_test14.wav is closest to speaker: Twelve_train14

Test audio Twelve_test15.wav is closest to speaker: Twelve_train15

Test audio Twelve_test16.wav is closest to speaker: Twelve_train16

Test audio Twelve_test17.wav is closest to speaker: Twelve_train17

Test audio Twelve_test18.wav is closest to speaker: Twelve_train18

Test audio Twelve_test19.wav is closest to speaker: Twelve_train19

Accuracy is 94.44%