k x(k) y(k) yt(k) E = |y(k) - yt(k)|

--------------------------------------------------------------

1 0.000 0.000000e+00 0.000000e+00 0.000000e+00

2 0.010 9.999500e-05 9.770049e-05 2.294506e-06

3 0.020 3.999200e-04 4.100693e-04 1.014932e-05

4 0.030 8.995952e-04 9.349635e-04 3.536821e-05

5 0.040 1.598721e-03 1.670223e-03 7.150131e-05

6 0.050 2.496880e-03 2.613670e-03 1.167900e-04

7 0.060 3.593536e-03 3.763113e-03 1.695773e-04

8 0.070 4.888034e-03 5.116342e-03 2.283076e-04

9 0.080 6.379607e-03 6.671132e-03 2.915253e-04

10 0.090 8.067371e-03 8.425245e-03 3.578740e-04

11 0.100 9.950331e-03 1.037643e-02 4.260951e-04

12 0.110 1.202738e-02 1.252241e-02 4.950264e-04

13 0.120 1.429730e-02 1.486090e-02 5.636001e-04

14 0.130 1.675878e-02 1.738963e-02 6.308413e-04

15 0.140 1.941039e-02 2.010626e-02 6.958658e-04

16 0.150 2.225061e-02 2.300849e-02 7.578775e-04

17 0.160 2.527781e-02 2.609397e-02 8.161666e-04

18 0.170 2.849027e-02 2.936038e-02 8.701066e-04

19 0.180 3.188619e-02 3.280534e-02 9.191517e-04

20 0.190 3.546366e-02 3.642650e-02 9.628344e-04

21 0.200 3.922071e-02 4.022147e-02 1.000762e-03

22 0.210 4.315527e-02 4.418788e-02 1.032613e-03

23 0.220 4.726519e-02 4.832333e-02 1.058137e-03

24 0.230 5.154826e-02 5.262541e-02 1.077148e-03

25 0.240 5.600219e-02 5.709171e-02 1.089521e-03

26 0.250 6.062462e-02 6.171982e-02 1.095193e-03

27 0.260 6.541314e-02 6.650729e-02 1.094156e-03

28 0.270 7.036526e-02 7.145171e-02 1.086452e-03

29 0.280 7.547846e-02 7.655064e-02 1.072176e-03

30 0.290 8.075015e-02 8.180162e-02 1.051466e-03

31 0.300 8.617770e-02 8.720220e-02 1.024503e-03

32 0.310 9.175843e-02 9.274993e-02 9.915068e-04

33 0.320 9.748962e-02 9.844235e-02 9.527333e-04

34 0.330 1.033685e-01 1.042770e-01 9.084702e-04

35 0.340 1.093924e-01 1.102514e-01 8.590341e-04

36 0.350 1.155583e-01 1.163631e-01 8.047675e-04

37 0.360 1.218636e-01 1.226096e-01 7.460353e-04

38 0.370 1.283053e-01 1.289885e-01 6.832222e-04

39 0.380 1.348805e-01 1.354972e-01 6.167291e-04

40 0.390 1.415864e-01 1.421333e-01 5.469704e-04

41 0.400 1.484200e-01 1.488944e-01 4.743712e-04

42 0.410 1.553785e-01 1.557779e-01 3.993645e-04

43 0.420 1.624589e-01 1.627813e-01 3.223885e-04

44 0.430 1.696584e-01 1.699023e-01 2.438841e-04

45 0.440 1.769740e-01 1.771382e-01 1.642922e-04

46 0.450 1.844027e-01 1.844868e-01 8.405161e-05

47 0.460 1.919418e-01 1.919454e-01 3.596770e-06

48 0.470 1.995883e-01 1.995116e-01 7.664458e-05

49 0.480 2.073393e-01 2.071831e-01 1.562533e-04

50 0.490 2.151920e-01 2.149572e-01 2.348208e-04

51 0.500 2.231436e-01 2.228316e-01 3.119507e-04

52 0.510 2.311911e-01 2.308038e-01 3.872610e-04

53 0.520 2.393318e-01 2.388714e-01 4.603849e-04

54 0.530 2.475630e-01 2.470320e-01 5.309730e-04

55 0.540 2.558818e-01 2.552831e-01 5.986943e-04

56 0.550 2.642855e-01 2.636223e-01 6.632375e-04

57 0.560 2.727715e-01 2.720471e-01 7.243119e-04

58 0.570 2.813370e-01 2.805553e-01 7.816490e-04

59 0.580 2.899794e-01 2.891444e-01 8.350030e-04

60 0.590 2.986962e-01 2.978120e-01 8.841517e-04

61 0.600 3.074847e-01 3.065558e-01 9.288973e-04

62 0.610 3.163424e-01 3.153733e-01 9.690669e-04

63 0.620 3.252668e-01 3.242623e-01 1.004513e-03

64 0.630 3.342555e-01 3.332204e-01 1.035115e-03

65 0.640 3.433060e-01 3.422452e-01 1.060778e-03

66 0.650 3.524159e-01 3.513345e-01 1.081432e-03

67 0.660 3.615829e-01 3.604858e-01 1.097038e-03

68 0.670 3.708046e-01 3.696971e-01 1.107579e-03

69 0.680 3.800789e-01 3.789659e-01 1.113070e-03

70 0.690 3.894035e-01 3.882899e-01 1.113549e-03

71 0.700 3.987761e-01 3.976670e-01 1.109082e-03

72 0.710 4.081947e-01 4.070949e-01 1.099764e-03

73 0.720 4.176571e-01 4.165714e-01 1.085712e-03

74 0.730 4.271614e-01 4.260943e-01 1.067074e-03

75 0.740 4.367053e-01 4.356613e-01 1.044022e-03

76 0.750 4.462871e-01 4.452704e-01 1.016752e-03

77 0.760 4.559047e-01 4.549192e-01 9.854878e-04

78 0.770 4.655563e-01 4.646058e-01 9.504762e-04

79 0.780 4.752399e-01 4.743279e-01 9.119888e-04

80 0.790 4.849538e-01 4.840835e-01 8.703208e-04

81 0.800 4.946962e-01 4.938705e-01 8.257906e-04

82 0.810 5.044654e-01 5.036867e-01 7.787388e-04

83 0.820 5.142597e-01 5.135302e-01 7.295282e-04

84 0.830 5.240774e-01 5.233989e-01 6.785424e-04

85 0.840 5.339170e-01 5.332908e-01 6.261859e-04

86 0.850 5.437767e-01 5.432038e-01 5.728826e-04

87 0.860 5.536552e-01 5.531361e-01 5.190759e-04

88 0.870 5.635509e-01 5.630857e-01 4.652273e-04

89 0.880 5.734623e-01 5.730505e-01 4.118159e-04

90 0.890 5.833881e-01 5.830288e-01 3.593376e-04

91 0.900 5.933268e-01 5.930185e-01 3.083045e-04

92 0.910 6.032772e-01 6.030179e-01 2.592439e-04

93 0.920 6.132378e-01 6.130251e-01 2.126975e-04

94 0.930 6.232074e-01 6.230382e-01 1.692208e-04

95 0.940 6.331848e-01 6.330555e-01 1.293821e-04

96 0.950 6.431688e-01 6.430750e-01 9.376193e-05

97 0.960 6.531582e-01 6.530952e-01 6.295196e-05

98 0.970 6.631518e-01 6.631142e-01 3.755444e-05

99 0.980 6.731485e-01 6.731304e-01 1.818134e-05

100 0.990 6.831473e-01 6.831419e-01 5.453524e-06

101 1.000 6.931472e-01 6.931472e-01 0.000000e+00

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Mean Squared Error : 5.36997050914370e-07

k x(k) y(k) yt(k) E = |y(k) - yt(k)|

--------------------------------------------------------------

1 0.000 0.000000e+00 0.000000e+00 0.000000e+00

2 0.005 2.499969e-05 2.188344e-05 3.116251e-06

3 0.015 2.249747e-04 2.271849e-04 2.210222e-06

4 0.025 6.248048e-04 6.460854e-04 2.128059e-05

5 0.035 1.224250e-03 1.276433e-03 5.218279e-05

6 0.045 2.022952e-03 2.116060e-03 9.310713e-05

7 0.055 3.020434e-03 3.162780e-03 1.423459e-04

8 0.065 4.216100e-03 4.414393e-03 1.982929e-04

9 0.075 5.609239e-03 5.868681e-03 2.594426e-04

10 0.085 7.199025e-03 7.523414e-03 3.243892e-04

11 0.095 8.984518e-03 9.376343e-03 3.918254e-04

12 0.105 1.096467e-02 1.142521e-02 4.605409e-04

13 0.115 1.313831e-02 1.366773e-02 5.294210e-04

14 0.125 1.550419e-02 1.610163e-02 5.974446e-04

15 0.135 1.806092e-02 1.872460e-02 6.636825e-04

16 0.145 2.080702e-02 2.153432e-02 7.272946e-04

17 0.155 2.374094e-02 2.452847e-02 7.875285e-04

18 0.165 2.686099e-02 2.770471e-02 8.437162e-04

19 0.175 3.016541e-02 3.106069e-02 8.952720e-04

20 0.185 3.365235e-02 3.459404e-02 9.416896e-04

21 0.195 3.731987e-02 3.830241e-02 9.825392e-04

22 0.205 4.116594e-02 4.218340e-02 1.017464e-03

23 0.215 4.518845e-02 4.623463e-02 1.046179e-03

24 0.225 4.938523e-02 5.045369e-02 1.068466e-03

25 0.235 5.375401e-02 5.483818e-02 1.084170e-03

26 0.245 5.829249e-02 5.938569e-02 1.093197e-03

27 0.255 6.299827e-02 6.409378e-02 1.095512e-03

28 0.265 6.786891e-02 6.896004e-02 1.091133e-03

29 0.275 7.290189e-02 7.398202e-02 1.080128e-03

30 0.285 7.809466e-02 7.915727e-02 1.062615e-03

31 0.295 8.344461e-02 8.448336e-02 1.038753e-03

32 0.305 8.894908e-02 8.995783e-02 1.008744e-03

33 0.315 9.460539e-02 9.557821e-02 9.728250e-04

34 0.325 1.004108e-01 1.013421e-01 9.312688e-04

35 0.335 1.063625e-01 1.072469e-01 8.843779e-04

36 0.345 1.124578e-01 1.132903e-01 8.324823e-04

37 0.355 1.186937e-01 1.194697e-01 7.759360e-04

38 0.365 1.250676e-01 1.257827e-01 7.151142e-04

39 0.375 1.315764e-01 1.322268e-01 6.504101e-04

40 0.385 1.382173e-01 1.387995e-01 5.822316e-04

41 0.395 1.449874e-01 1.454984e-01 5.109990e-04

42 0.405 1.518838e-01 1.523210e-01 4.371415e-04

43 0.415 1.589037e-01 1.592647e-01 3.610952e-04

44 0.425 1.660440e-01 1.663273e-01 2.832998e-04

45 0.435 1.733018e-01 1.735060e-01 2.041966e-04

46 0.445 1.806744e-01 1.807986e-01 1.242257e-04

47 0.455 1.881587e-01 1.882025e-01 4.382406e-05

48 0.465 1.957518e-01 1.957152e-01 3.657702e-05

49 0.475 2.034509e-01 2.033344e-01 1.165538e-04

50 0.485 2.112531e-01 2.110574e-01 1.956923e-04

51 0.495 2.191556e-01 2.188820e-01 2.735897e-04

52 0.505 2.271555e-01 2.268056e-01 3.498566e-04

53 0.515 2.352500e-01 2.348259e-01 4.241185e-04

54 0.525 2.434363e-01 2.429402e-01 4.960171e-04

55 0.535 2.517116e-01 2.511464e-01 5.652120e-04

56 0.545 2.600732e-01 2.594418e-01 6.313818e-04

57 0.555 2.685184e-01 2.678241e-01 6.942256e-04

58 0.565 2.770444e-01 2.762910e-01 7.534635e-04

59 0.575 2.856488e-01 2.848399e-01 8.088384e-04

60 0.585 2.943287e-01 2.934686e-01 8.601160e-04

61 0.595 3.030816e-01 3.021746e-01 9.070863e-04

62 0.605 3.119051e-01 3.109555e-01 9.495639e-04

63 0.615 3.207964e-01 3.198091e-01 9.873887e-04

64 0.625 3.297533e-01 3.287329e-01 1.020426e-03

65 0.635 3.387732e-01 3.377246e-01 1.048569e-03

66 0.645 3.478537e-01 3.467819e-01 1.071734e-03

67 0.655 3.569924e-01 3.559025e-01 1.089868e-03

68 0.665 3.661871e-01 3.650841e-01 1.102941e-03

69 0.675 3.754354e-01 3.743244e-01 1.110954e-03

70 0.685 3.847351e-01 3.836211e-01 1.113932e-03

71 0.695 3.940839e-01 3.929720e-01 1.111929e-03

72 0.705 4.034798e-01 4.023748e-01 1.105023e-03

73 0.715 4.129206e-01 4.118273e-01 1.093321e-03

74 0.725 4.224042e-01 4.213272e-01 1.076957e-03

75 0.735 4.319285e-01 4.308724e-01 1.056088e-03

76 0.745 4.414916e-01 4.404607e-01 1.030901e-03

77 0.755 4.510915e-01 4.500899e-01 1.001604e-03

78 0.765 4.607264e-01 4.597579e-01 9.684340e-04

79 0.775 4.703942e-01 4.694625e-01 9.316490e-04

80 0.785 4.800932e-01 4.792017e-01 8.915330e-04

81 0.795 4.898216e-01 4.889732e-01 8.483927e-04

82 0.805 4.995776e-01 4.987750e-01 8.025577e-04

83 0.815 5.093595e-01 5.086052e-01 7.543799e-04

84 0.825 5.191657e-01 5.184615e-01 7.042324e-04

85 0.835 5.289946e-01 5.283421e-01 6.525095e-04

86 0.845 5.388444e-01 5.382448e-01 5.996253e-04

87 0.855 5.487137e-01 5.481677e-01 5.460138e-04

88 0.865 5.586010e-01 5.581089e-01 4.921273e-04

89 0.875 5.685047e-01 5.680663e-01 4.384363e-04

90 0.885 5.784235e-01 5.780381e-01 3.854285e-04

91 0.895 5.883559e-01 5.880223e-01 3.336078e-04

92 0.905 5.983006e-01 5.980171e-01 2.834941e-04

93 0.915 6.082563e-01 6.080207e-01 2.356220e-04

94 0.925 6.182216e-01 6.180310e-01 1.905402e-04

95 0.935 6.281952e-01 6.280464e-01 1.488107e-04

96 0.945 6.381761e-01 6.380651e-01 1.110080e-04

97 0.955 6.481629e-01 6.480852e-01 7.771826e-05

98 0.965 6.581545e-01 6.581050e-01 4.953861e-05

99 0.975 6.681498e-01 6.681228e-01 2.707624e-05

100 0.985 6.781477e-01 6.781368e-01 1.094764e-05

101 0.995 6.881472e-01 6.881454e-01 1.777866e-06

102 1.000 6.931472e-01 6.931472e-01 0.000000e+00

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Mean Squared Error : 5.31732398087787e-07

Mean of MSEs for training set 5.836e-07 ± 3.145e-08

Mean of MSEs for test set 5.779e-07 ± 3.114e-08

Elapsed time 269.613254 seconds to run.

Mean of elapsed time in seconds for training set 2.656e+01 ± 2.036e+00

Mean of elapsed time in seconds for test set 4.874e-04 ± 4.437e-04

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