

1 C:\Users\maxve\Desktop\ML\.venv\Scripts\python.exe C:\Users\maxve\Desktop\ML\task5.py
2 Files already downloaded and verified
3 Files already downloaded and verified
4 Начало обучения модели с 8 ядрами
5 Epoch [1/100], Train Loss: 0.5172, Test Loss: 0.4003, Accuracy: 83.05%
6 Epoch [11/100], Train Loss: 0.1731, Test Loss: 0.2061, Accuracy: 91.60%
7 Epoch [21/100], Train Loss: 0.1366, Test Loss: 0.2510, Accuracy: 90.05%
8 Epoch [31/100], Train Loss: 0.1227, Test Loss: 0.2386, Accuracy: 91.10%
9 Epoch [41/100], Train Loss: 0.0796, Test Loss: 0.1849, Accuracy: 93.15%
10 Epoch [51/100], Train Loss: 0.0780, Test Loss: 0.2262, Accuracy: 92.90%
11 Epoch [61/100], Train Loss: 0.0619, Test Loss: 0.2380, Accuracy: 93.25%
12 Epoch [71/100], Train Loss: 0.0772, Test Loss: 0.2267, Accuracy: 92.70%
13 Epoch [81/100], Train Loss: 0.0487, Test Loss: 0.3269, Accuracy: 92.95%
14 Epoch [91/100], Train Loss: 0.0643, Test Loss: 0.2471, Accuracy: 93.70%
15 Epoch [100/100], Train Loss: 0.0301, Test Loss: 0.3524, Accuracy: 92.75%
16 Обучение модели с 8 ядрами завершено за 47.57 сек.
17 -----
18 Начало обучения модели с 16 ядрами
19 Epoch [1/100], Train Loss: 0.4314, Test Loss: 0.4764, Accuracy: 78.55%
20 Epoch [11/100], Train Loss: 0.0855, Test Loss: 0.1616, Accuracy: 94.25%
21 Epoch [21/100], Train Loss: 0.0531, Test Loss: 0.1508, Accuracy: 95.35%
22 Epoch [31/100], Train Loss: 0.0903, Test Loss: 0.1312, Accuracy: 96.15%
23 Epoch [41/100], Train Loss: 0.0279, Test Loss: 0.5824, Accuracy: 89.40%
24 Epoch [51/100], Train Loss: 0.0323, Test Loss: 0.2482, Accuracy: 94.35%
25 Epoch [61/100], Train Loss: 0.0080, Test Loss: 0.2358, Accuracy: 95.85%
26 Epoch [71/100], Train Loss: 0.0216, Test Loss: 0.4805, Accuracy: 92.75%
27 Epoch [81/100], Train Loss: 0.0165, Test Loss: 0.2209, Accuracy: 94.85%
28 Epoch [91/100], Train Loss: 0.0416, Test Loss: 0.2711, Accuracy: 94.30%
29 Epoch [100/100], Train Loss: 0.0569, Test Loss: 0.1993, Accuracy: 95.95%
30 Обучение модели с 16 ядрами завершено за 36.22 сек.
31 -----
32 Начало обучения модели с 32 ядрами
33 Epoch [1/100], Train Loss: 0.3847, Test Loss: 1.1401, Accuracy: 54.55%
34 Epoch [11/100], Train Loss: 0.0553, Test Loss: 0.1622, Accuracy: 95.90%
35 Epoch [21/100], Train Loss: 0.0372, Test Loss: 0.1194, Accuracy: 96.55%
36 Epoch [31/100], Train Loss: 0.0038, Test Loss: 0.2320, Accuracy: 96.80%
37 Epoch [41/100], Train Loss: 0.0207, Test Loss: 0.2109, Accuracy: 94.35%
38 Epoch [51/100], Train Loss: 0.0011, Test Loss: 0.2588, Accuracy: 96.55%
39 Epoch [61/100], Train Loss: 0.0082, Test Loss: 0.2489, Accuracy: 96.20%
40 Epoch [71/100], Train Loss: 0.0008, Test Loss: 0.1771, Accuracy: 97.00%
41 Epoch [81/100], Train Loss: 0.0014, Test Loss: 0.2281, Accuracy: 96.65%
42 Epoch [91/100], Train Loss: 0.0049, Test Loss: 0.1715, Accuracy: 96.95%
43 Epoch [100/100], Train Loss: 0.0143, Test Loss: 0.3850, Accuracy: 94.30%
44 Обучение модели с 32 ядрами завершено за 52.66 сек.
45 -----
46 Начало обучения модели с 64 ядрами
47 Epoch [1/100], Train Loss: 0.3509, Test Loss: 0.2248, Accuracy: 90.20%
48 Epoch [11/100], Train Loss: 0.0281, Test Loss: 0.2384, Accuracy: 95.05%
49 Epoch [21/100], Train Loss: 0.0072, Test Loss: 0.3859, Accuracy: 94.60%
50 Epoch [31/100], Train Loss: 0.0307, Test Loss: 0.2484, Accuracy: 94.50%
51 Epoch [41/100], Train Loss: 0.0730, Test Loss: 0.0994, Accuracy: 97.00%
52 Epoch [51/100], Train Loss: 0.0316, Test Loss: 0.1512, Accuracy: 96.40%
53 Epoch [61/100], Train Loss: 0.0068, Test Loss: 0.2489, Accuracy: 95.15%
54 Epoch [71/100], Train Loss: 0.0001, Test Loss: 0.2037, Accuracy: 97.50%
55 Epoch [81/100], Train Loss: 0.0014, Test Loss: 0.1927, Accuracy: 97.25%
56 Epoch [91/100], Train Loss: 0.0159, Test Loss: 0.1314, Accuracy: 96.90%
57 Epoch [100/100], Train Loss: 0.0128, Test Loss: 0.1873, Accuracy: 96.30%
58 Обучение модели с 64 ядрами завершено за 89.46 сек.
59 -----
60 Начало обучения ОСТАТОЧНОЙ модели с 16 ядрами
61 Epoch [1/100], Train Loss: 0.6184, Test Loss: 0.4893, Accuracy: 75.05%
62 Epoch [11/100], Train Loss: 0.1071, Test Loss: 0.2064, Accuracy: 92.25%
63 Epoch [21/100], Train Loss: 0.0553, Test Loss: 0.1349, Accuracy: 94.65%
64 Epoch [31/100], Train Loss: 0.0406, Test Loss: 0.1189, Accuracy: 96.50%
65 Epoch [41/100], Train Loss: 0.0272, Test Loss: 0.1795, Accuracy: 95.00%
66 Epoch [51/100], Train Loss: 0.0128, Test Loss: 0.2256, Accuracy: 95.45%
67 Epoch [61/100], Train Loss: 0.0141, Test Loss: 0.3625, Accuracy: 95.40%
68 Epoch [71/100], Train Loss: 0.0536, Test Loss: 0.1041, Accuracy: 96.95%

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69 Epoch [81/100], Train Loss: 0.0108, Test Loss: 0.1551, Accuracy: 97.10%
70 Epoch [91/100], Train Loss: 0.0057, Test Loss: 0.1753, Accuracy: 97.35%
71 Epoch [100/100], Train Loss: 0.0125, Test Loss: 0.1679, Accuracy: 96.75%
72 Обучение остаточночай модели с 16 ядрами звершено за 60.34 сек.
73 -----
74
75 Process finished with exit code 0
76
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