

Table 1: SSL Comparison: fashionmnist: Average (standard deviation) classification accuracy over 12 trials.

| # LABELS | 10 | 20 | 30 | 40 | 50 |
|-----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| LAPLACE LEARNING | 20.7 (9.4) | 29.4 (5.9) | 38.0 (10.5) | 50.2 (6.1) | 58.3 (6.3) |
| POISSON LEARNING | 60.6 (3.1) | 64.1 (3.7) | 68.0 (3.5) | 71.1 (2.5) | 71.3 (1.6) |
| P-EIKONAL (P=1.00, ALPHA=0.00) | 54.6 (4.7) | 56.7 (4.4) | 62.8 (2.6) | 65.4 (2.9) | 65.2 (1.3) |
| P-EIKONAL (P=1.00, ALPHA=0.00)+CP | 56.2 (4.5) | 59.2 (3.9) | 63.9 (2.4) | 66.5 (2.6) | 66.0 (1.5) |
| P-EIKONAL (P=1.00, ALPHA=1.00) | 53.9 (5.0) | 56.6 (4.0) | 62.2 (2.9) | 65.1 (2.8) | 65.2 (1.8) |
| P-EIKONAL (P=1.00, ALPHA=1.00)+CP | 57.6 (5.0) | 60.5 (4.1) | 65.1 (2.3) | 67.8 (2.2) | 67.1 (1.7) |
| P-EIKONAL (P=1.00, ALPHA=2.00) | 51.6 (6.2) | 55.4 (4.0) | 60.2 (3.2) | 63.4 (3.3) | 63.6 (2.9) |
| P-EIKONAL (P=1.00, ALPHA=2.00)+CP | 58.0 (5.3) | 61.2 (3.9) | 65.5 (2.4) | 68.1 (1.9) | 67.5 (1.7) |
| P-EIKONAL (P=1.00, ALPHA=3.00) | 48.9 (7.4) | 54.0 (4.5) | 58.0 (3.3) | 61.0 (3.6) | 61.6 (3.8) |
| P-EIKONAL (P=1.00, ALPHA=3.00)+CP | 57.6 (5.7) | 61.3 (3.4) | 64.9 (2.8) | 67.7 (1.9) | 67.4 (1.6) |
| GRAPH NN (ALPHA=0.00) | 45.1 (4.1) | 49.7 (4.0) | 54.0 (2.4) | 55.9 (2.3) | 57.5 (1.2) |
| GRAPH NN (ALPHA=0.00)+CP | 46.0 (3.9) | 50.5 (3.4) | 54.7 (2.6) | 56.6 (2.3) | 58.0 (1.2) |
| GRAPH NN (ALPHA=1.00) | 46.5 (3.0) | 50.9 (4.2) | 55.2 (2.5) | 56.9 (2.2) | 59.2 (1.9) |
| GRAPH NN (ALPHA=1.00)+CP | 48.9 (4.0) | 53.1 (4.2) | 57.3 (2.3) | 59.2 (2.3) | 60.7 (1.4) |
| GRAPH NN (ALPHA=2.00) | 45.5 (3.4) | 49.8 (4.2) | 53.5 (2.7) | 55.2 (2.3) | 58.1 (2.7) |
| GRAPH NN (ALPHA=2.00)+CP | 50.6 (4.4) | 54.4 (4.6) | 58.2 (2.5) | 60.1 (2.5) | 61.4 (1.7) |
| GRAPH NN (ALPHA=3.00) | 43.0 (4.6) | 47.9 (4.6) | 51.5 (2.9) | 52.8 (2.8) | 55.7 (3.5) |
| GRAPH NN (ALPHA=3.00)+CP | 51.3 (5.2) | 54.8 (4.8) | 58.2 (2.5) | 60.2 (2.9) | 61.2 (2.0) |