

Table 1: SSL Comparison: MNIST: Average (standard deviation) classification accuracy over 100 trials.

# LABELS PER CLASS	1	2	3	4	5
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.1	36.8 (4.7)	44.1 (4.5)	48.0 (3.6)	51.0 (3.2)	52.1 (3.1)
HIGH ORDER LAPLACE LEARNINGN = 100M = 0.1	33.7 (3.9)	40.8 (4.1)	44.9 (3.6)	47.9 (3.1)	50.1 (3.0)
HIGH ORDER LAPLACE LEARNINGN = 150M = 0.1	31.5 (3.6)	37.8 (3.8)	41.7 (3.2)	44.7 (3.0)	47.1 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 200M = 0.1	29.9 (3.4)	35.7 (3.5)	39.5 (3.0)	42.4 (2.9)	44.1 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 250M = 0.1	28.8 (3.1)	34.2 (3.3)	37.8 (3.0)	40.6 (2.7)	42.1 (2.6)
HIGH ORDER LAPLACE LEARNINGN = 300M = 0.1	28.1 (3.0)	33.1 (3.1)	36.7 (2.8)	39.3 (2.7)	41.1 (2.5)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.2	37.3 (4.8)	44.6 (4.5)	48.5 (3.6)	51.5 (3.2)	53.1 (3.1)
HIGH ORDER LAPLACE LEARNINGN = 100M = 0.2	34.5 (4.0)	41.7 (4.2)	45.9 (3.6)	48.9 (3.1)	51.1 (3.0)
HIGH ORDER LAPLACE LEARNINGN = 150M = 0.2	32.3 (3.7)	38.9 (3.9)	42.9 (3.3)	45.9 (3.0)	48.1 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 200M = 0.2	30.8 (3.5)	36.9 (3.6)	40.7 (3.1)	43.8 (2.9)	46.1 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 250M = 0.2	29.7 (3.3)	35.3 (3.4)	39.1 (3.1)	42.0 (2.8)	44.1 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 300M = 0.2	29.0 (3.2)	34.2 (3.3)	38.0 (2.9)	40.7 (2.7)	42.1 (2.6)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.300000000000000004	37.8 (4.9)	45.1 (4.6)	49.0 (3.5)	51.9 (3.2)	53.1 (3.1)
HIGH ORDER LAPLACE LEARNINGN = 100M = 0.300000000000000004	35.3 (4.1)	42.6 (4.3)	46.8 (3.6)	49.9 (3.1)	52.1 (3.0)
HIGH ORDER LAPLACE LEARNINGN = 150M = 0.300000000000000004	33.3 (3.9)	39.9 (4.0)	44.1 (3.3)	47.1 (3.0)	49.1 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 200M = 0.300000000000000004	31.8 (3.7)	38.0 (3.7)	42.0 (3.2)	45.1 (2.9)	47.1 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 250M = 0.300000000000000004	30.7 (3.4)	36.6 (3.6)	40.5 (3.2)	43.4 (2.8)	45.1 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 300M = 0.300000000000000004	30.0 (3.4)	35.5 (3.5)	39.4 (3.0)	42.2 (2.8)	44.1 (2.6)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.4	38.3 (5.0)	45.5 (4.6)	49.4 (3.5)	52.2 (3.1)	53.1 (3.0)
HIGH ORDER LAPLACE LEARNINGN = 100M = 0.4	36.1 (4.2)	43.5 (4.4)	47.7 (3.6)	50.7 (3.1)	52.1 (3.0)
HIGH ORDER LAPLACE LEARNINGN = 150M = 0.4	34.2 (4.0)	41.0 (4.1)	45.2 (3.4)	48.3 (3.0)	50.1 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 200M = 0.4	32.8 (3.9)	39.2 (3.9)	43.3 (3.2)	46.4 (3.0)	48.1 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 250M = 0.4	31.8 (3.6)	37.8 (3.7)	41.9 (3.2)	44.9 (2.9)	47.1 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 300M = 0.4	31.0 (3.5)	36.8 (3.6)	40.9 (3.1)	43.8 (2.8)	46.1 (2.6)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.5	38.7 (5.1)	45.8 (4.7)	49.6 (3.5)	52.4 (3.1)	53.1 (3.0)
HIGH ORDER LAPLACE LEARNINGN = 100M = 0.5	36.9 (4.4)	44.2 (4.5)	48.4 (3.6)	51.5 (3.2)	53.1 (3.1)
HIGH ORDER LAPLACE LEARNINGN = 150M = 0.5	35.1 (4.2)	42.0 (4.3)	46.3 (3.4)	49.3 (3.0)	51.1 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 200M = 0.5	33.8 (4.0)	40.4 (4.0)	44.5 (3.3)	47.7 (3.0)	49.1 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 250M = 0.5	32.8 (3.8)	39.1 (3.9)	43.2 (3.3)	46.3 (2.9)	48.1 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 300M = 0.5	32.2 (3.7)	38.2 (3.8)	42.3 (3.1)	45.3 (2.8)	47.1 (2.6)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.6	39.1 (5.1)	46.0 (4.7)	49.8 (3.5)	52.6 (3.0)	53.1 (3.0)
HIGH ORDER LAPLACE LEARNINGN = 100M = 0.6	37.6 (4.5)	44.9 (4.6)	49.1 (3.6)	52.1 (3.2)	53.1 (3.1)
HIGH ORDER LAPLACE LEARNINGN = 150M = 0.6	35.9 (4.3)	43.0 (4.4)	47.2 (3.4)	50.2 (3.0)	52.1 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 200M = 0.6	34.7 (4.2)	41.5 (4.2)	45.7 (3.3)	48.8 (2.9)	51.1 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 250M = 0.6	33.9 (4.0)	40.3 (4.0)	44.5 (3.3)	47.6 (2.9)	49.1 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 300M = 0.6	33.3 (3.9)	39.5 (4.0)	43.7 (3.2)	46.7 (2.8)	48.1 (2.6)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.700000000000000001	39.4 (5.2)	46.2 (4.8)	49.9 (3.5)	52.6 (3.0)	53.1 (3.0)
HIGH ORDER LAPLACE LEARNINGN = 100M = 0.700000000000000001	38.2 (4.6)	45.5 (4.6)	49.6 (3.6)	52.6 (3.2)	53.1 (3.1)
HIGH ORDER LAPLACE LEARNINGN = 150M = 0.700000000000000001	36.8 (4.5)	43.8 (4.5)	48.0 (3.4)	51.0 (3.0)	53.1 (3.1)
HIGH ORDER LAPLACE LEARNINGN = 200M = 0.700000000000000001	35.7 (4.3)	42.5 (4.3)	46.7 (3.3)	49.8 (3.0)	51.1 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 250M = 0.700000000000000001	34.9 (4.2)	41.5 (4.2)	45.7 (3.3)	48.8 (2.9)	50.1 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 300M = 0.700000000000000001	34.4 (4.1)	40.7 (4.1)	45.0 (3.2)	48.0 (2.9)	50.1 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.8	39.7 (5.2)	46.3 (4.8)	50.0 (3.5)	52.6 (3.0)	53.1 (3.0)
HIGH ORDER LAPLACE LEARNINGN = 100M = 0.8	38.8 (4.7)	46.0 (4.7)	50.0 (3.6)	52.9 (3.2)	53.1 (3.1)
HIGH ORDER LAPLACE LEARNINGN = 150M = 0.8	37.5 (4.6)	44.5 (4.6)	48.7 (3.4)	51.6 (3.1)	53.1 (3.1)
HIGH ORDER LAPLACE LEARNINGN = 200M = 0.8	36.5 (4.5)	43.4 (4.4)	47.5 (3.3)	50.6 (3.0)	52.1 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 250M = 0.8	35.9 (4.4)	42.5 (4.3)	46.7 (3.3)	49.7 (2.9)	51.1 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 300M = 0.8	35.4 (4.3)	41.8 (4.3)	46.1 (3.3)	49.0 (2.9)	51.1 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.9	39.9 (5.3)	46.3 (4.9)	49.9 (3.6)	52.4 (3.0)	53.1 (3.0)
HIGH ORDER LAPLACE LEARNINGN = 100M = 0.9	39.2 (4.8)	46.3 (4.8)	50.3 (3.6)	53.1 (3.2)	53.1 (3.1)
HIGH ORDER LAPLACE LEARNINGN = 150M = 0.9	38.1 (4.7)	45.1 (4.7)	49.2 (3.4)	52.0 (3.1)	54.1 (3.0)
HIGH ORDER LAPLACE LEARNINGN = 200M = 0.9	37.3 (4.6)	44.1 (4.5)	48.2 (3.3)	51.2 (3.0)	53.1 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 250M = 0.9	36.8 (4.5)	43.3 (4.4)	47.5 (3.4)	50.5 (3.0)	52.1 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 300M = 0.9	36.4 (4.5)	42.8 (4.5)	47.0 (3.3)	49.9 (2.9)	52.1 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 50M = 1.0	40.0 (5.4)	46.2 (4.9)	49.7 (3.6)	52.2 (3.0)	53.1 (3.0)
HIGH ORDER LAPLACE LEARNINGN = 100M = 1.0	39.6 (4.9)	46.5 (4.8)	50.4 (3.6)	53.1 (3.2)	54.1 (3.1)
HIGH ORDER LAPLACE LEARNINGN = 150M = 1.0	38.7 (4.8)	45.6 (4.8)	49.5 (3.4)	52.3 (3.1)	54.1 (3.0)
HIGH ORDER LAPLACE LEARNINGN = 200M = 1.0	37.9 (4.7)	44.6 (4.6)	48.7 (3.3)	51.6 (3.0)	53.1 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 250M = 1.0	37.5 (4.7)	44.0 (4.6)	48.2 (3.4)	51.0 (3.0)	53.1 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 300M = 1.0	37.2 (4.6)	43.6 (4.6)	47.7 (3.3)	50.6 (2.9)	52.1 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 50M = 1.1	40.1 (5.4)	46.1 (5.0)	49.5 (3.6)	51.9 (3.1)	53.1 (3.0)
HIGH ORDER LAPLACE LEARNINGN = 100M = 1.1	39.9 (5.0)	46.6 (4.9)	50.4 (3.6)	53.0 (3.2)	54.1 (3.1)