

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 = 10M = 0.1	61.5 (5.4)	65.3 (4.1)	68.6 (2.6)	69.8 (2.1)	69.8 (2.1)
HIGH ORDER LAPLACE LEARNINGN = 20M = 0.1	57.3 (5.0)	63.2 (4.8)	67.8 (3.4)	69.5 (3.1)	70.0 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 30M = 0.1	52.4 (5.2)	60.2 (4.6)	65.9 (3.4)	67.9 (3.2)	70.0 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 40M = 0.1	49.6 (4.5)	57.4 (4.1)	63.4 (3.5)	65.6 (3.0)	67.0 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.1	47.6 (4.3)	55.4 (3.9)	61.3 (3.2)	63.8 (2.9)	66.0 (2.6)
HIGH ORDER LAPLACE LEARNINGN = 10M = 0.2	61.6 (5.3)	65.5 (4.1)	68.7 (2.6)	69.8 (2.1)	69.8 (2.1)
HIGH ORDER LAPLACE LEARNINGN = 20M = 0.2	58.2 (5.0)	64.0 (4.7)	68.4 (3.3)	70.0 (3.0)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 30M = 0.2	54.1 (5.2)	61.7 (4.5)	67.0 (3.2)	68.9 (2.9)	70.0 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 40M = 0.2	51.4 (4.6)	59.2 (4.1)	64.9 (3.4)	67.1 (2.9)	69.0 (2.6)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.2	49.8 (4.4)	57.6 (3.9)	63.4 (3.1)	65.6 (2.8)	67.0 (2.6)
HIGH ORDER LAPLACE LEARNINGN = 10M = 0.300000000000000004	61.6 (5.2)	65.6 (4.1)	68.6 (2.6)	69.7 (2.2)	69.8 (2.1)
HIGH ORDER LAPLACE LEARNINGN = 20M = 0.300000000000000004	59.0 (4.9)	64.7 (4.6)	68.8 (3.2)	70.3 (2.9)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 30M = 0.300000000000000004	55.8 (5.1)	63.0 (4.4)	67.9 (3.1)	69.7 (2.8)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 40M = 0.300000000000000004	53.2 (4.6)	60.8 (4.0)	66.2 (3.2)	68.2 (2.8)	70.0 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.300000000000000004	52.0 (4.4)	59.6 (3.8)	65.1 (3.0)	67.1 (2.7)	69.0 (2.6)
HIGH ORDER LAPLACE LEARNINGN = 10M = 0.4	<b>61.7 (5.2)</b>	65.6 (4.1)	68.5 (2.6)	69.5 (2.2)	69.8 (2.1)
HIGH ORDER LAPLACE LEARNINGN = 20M = 0.4	59.6 (4.9)	65.2 (4.6)	69.1 (3.1)	70.5 (2.8)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 30M = 0.4	57.2 (5.0)	64.0 (4.3)	68.5 (2.9)	70.2 (2.7)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 40M = 0.4	54.9 (4.5)	62.2 (4.0)	67.3 (3.1)	69.0 (2.7)	70.0 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.4	54.0 (4.4)	61.2 (3.8)	66.3 (2.9)	68.2 (2.6)	70.0 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 10M = 0.5	61.6 (5.2)	65.5 (4.1)	68.4 (2.6)	69.4 (2.2)	69.8 (2.1)
HIGH ORDER LAPLACE LEARNINGN = 20M = 0.5	60.1 (4.8)	65.5 (4.5)	69.3 (3.0)	70.6 (2.8)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 30M = 0.5	58.3 (4.8)	64.7 (4.3)	69.0 (2.8)	70.5 (2.6)	72.0 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 40M = 0.5	56.3 (4.5)	63.3 (4.0)	68.1 (3.0)	69.6 (2.6)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.5	55.6 (4.4)	62.5 (3.8)	67.3 (2.8)	69.0 (2.6)	70.0 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 10M = 0.6	61.5 (5.2)	65.4 (4.0)	68.3 (2.7)	69.1 (2.3)	69.8 (2.1)
HIGH ORDER LAPLACE LEARNINGN = 20M = 0.6	60.5 (4.8)	65.7 (4.5)	69.4 (2.9)	70.7 (2.7)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 30M = 0.6	59.0 (4.7)	65.2 (4.2)	69.3 (2.8)	70.8 (2.6)	<b>72.0 (2.9)</b>
HIGH ORDER LAPLACE LEARNINGN = 40M = 0.6	57.5 (4.5)	64.1 (4.0)	68.6 (2.9)	70.1 (2.5)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.6	56.9 (4.4)	63.4 (3.8)	68.0 (2.8)	69.5 (2.5)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 10M = 0.700000000000000001	61.3 (5.2)	65.2 (4.0)	68.1 (2.7)	68.8 (2.3)	69.8 (2.1)
HIGH ORDER LAPLACE LEARNINGN = 20M = 0.700000000000000001	60.7 (4.8)	<b>65.8 (4.4)</b>	69.4 (2.8)	70.6 (2.6)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 30M = 0.700000000000000001	59.6 (4.7)	65.5 (4.2)	69.4 (2.7)	<b>70.9 (2.5)</b>	72.0 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 40M = 0.700000000000000001	58.3 (4.6)	64.7 (4.0)	69.0 (2.8)	70.3 (2.5)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.700000000000000001	57.8 (4.5)	64.1 (3.8)	68.5 (2.7)	69.9 (2.5)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 10M = 0.8	61.1 (5.2)	65.0 (4.0)	67.8 (2.7)	68.5 (2.4)	68.8 (2.3)
HIGH ORDER LAPLACE LEARNINGN = 20M = 0.8	60.8 (4.8)	65.8 (4.4)	69.3 (2.8)	70.5 (2.6)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 30M = 0.8	59.9 (4.7)	65.6 (4.2)	<b>69.5 (2.7)</b>	70.8 (2.5)	72.0 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 40M = 0.8	58.9 (4.6)	65.0 (3.9)	69.2 (2.7)	70.5 (2.5)	72.0 (2.9)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.8	58.5 (4.5)	64.6 (3.8)	68.8 (2.7)	70.1 (2.5)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 10M = 0.9	60.8 (5.2)	64.7 (4.0)	67.5 (2.8)	68.0 (2.4)	68.8 (2.3)
HIGH ORDER LAPLACE LEARNINGN = 20M = 0.9	60.8 (4.8)	65.6 (4.3)	69.2 (2.7)	70.3 (2.5)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 30M = 0.9	60.1 (4.6)	65.7 (4.1)	69.4 (2.6)	70.7 (2.4)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 40M = 0.9	59.4 (4.6)	65.2 (3.9)	69.3 (2.6)	70.5 (2.5)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 50M = 0.9	59.0 (4.5)	64.9 (3.8)	69.0 (2.6)	70.2 (2.4)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 10M = 1.0	60.4 (5.2)	64.2 (4.0)	67.1 (2.8)	67.5 (2.5)	68.8 (2.3)
HIGH ORDER LAPLACE LEARNINGN = 20M = 1.0	60.7 (4.8)	65.4 (4.3)	68.9 (2.7)	70.0 (2.5)	70.0 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 30M = 1.0	60.3 (4.6)	65.6 (4.1)	69.3 (2.6)	70.4 (2.4)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 40M = 1.0	59.6 (4.6)	65.3 (3.9)	69.2 (2.6)	70.3 (2.5)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 50M = 1.0	59.4 (4.5)	65.0 (3.8)	69.0 (2.6)	70.1 (2.4)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 10M = 1.1	60.0 (5.2)	63.7 (3.9)	66.6 (2.9)	66.9 (2.6)	67.0 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 20M = 1.1	60.5 (4.7)	65.1 (4.2)	68.5 (2.7)	69.5 (2.4)	70.0 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 30M = 1.1	60.3 (4.6)	65.4 (4.0)	68.9 (2.6)	70.0 (2.4)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 40M = 1.1	59.8 (4.6)	65.2 (3.9)	69.0 (2.6)	70.0 (2.5)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 50M = 1.1	59.6 (4.5)	65.0 (3.8)	68.8 (2.6)	69.8 (2.4)	71.0 (2.8)
HIGH ORDER LAPLACE LEARNINGN = 10M = 1.200000000000000002	59.5 (5.2)	63.0 (3.9)	65.9 (3.0)	66.2 (2.7)	66.0 (2.6)
HIGH ORDER LAPLACE LEARNINGN = 20M = 1.200000000000000002	60.3 (4.7)	64.7 (4.2)	68.1 (2.8)	69.0 (2.4)	69.8 (2.1)
HIGH ORDER LAPLACE LEARNINGN = 30M = 1.200000000000000002	60.2 (4.6)	65.1 (4.0)	68.5 (2.6)	69.5 (2.4)	70.0 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 40M = 1.200000000000000002	59.8 (4.5)	65.0 (3.9)	68.6 (2.6)	69.5 (2.5)	70.0 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 50M = 1.200000000000000002	59.7 (4.5)	64.8 (3.8)	68.5 (2.6)	69.4 (2.5)	70.0 (2.7)
HIGH ORDER LAPLACE LEARNINGN = 10M = 1.300000000000000003	58.9 (5.1)	62.2 (3.9)	65.0 (3.1)	65.3 (2.8)	66.0 (2.6)
HIGH ORDER LAPLACE LEARNINGN = 20M = 1.300000000000000003	60.0 (4.8)	64.2 (4.1)	67.4 (2.9)	68.2 (2.4)	69.8 (2.1)