
A TEMPLATE FOR THE *arxiv* STYLE

A PREPRINT

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ABSTRACT

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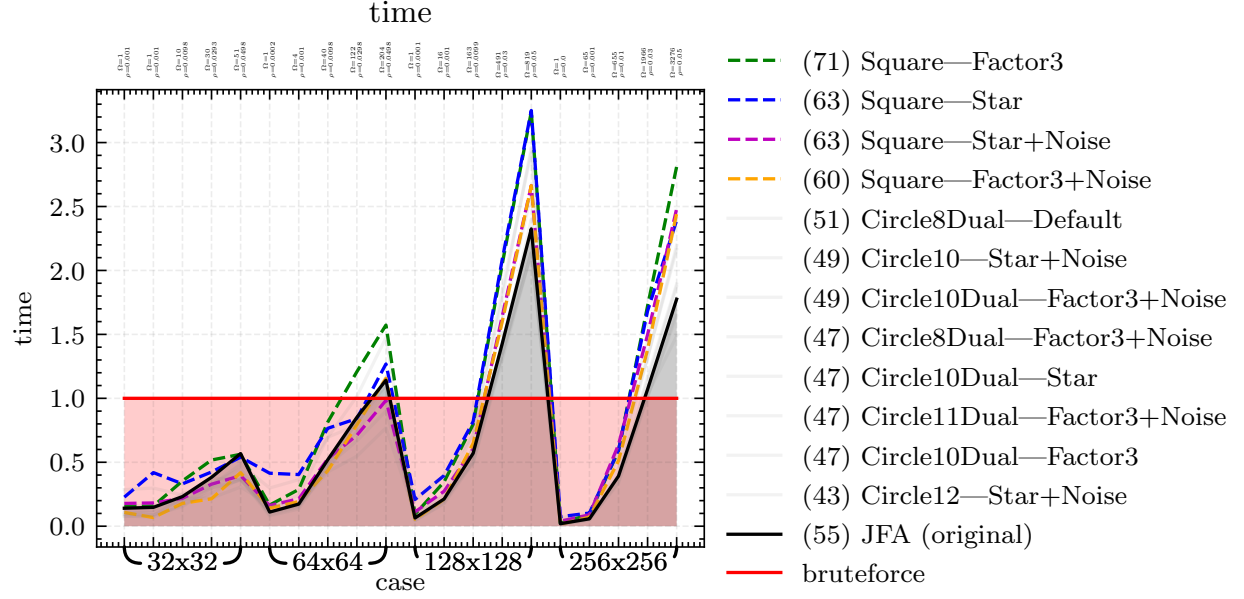


Figure 1: *batchboost* presented in three phases: (a) pairing by sorting error (b) mixing with *mixup* (c) feeding: a mixed feed-batch and new samples in half-batch by 1:1 ratio.

Algorithm	$\rho=0.0003$	$\rho=0.001$	$\rho=0.0099$	$\rho=0.0298$	$\rho=0.0499$	Avg. score
SquareFactor3	0	13.2	55.5	122.0	169.3	71
SquareStar	0	0	41.7	115.2	161.5	63
SquareStar+Noise	12.3	19	48.4	96.3	142.3	63
SquareFactor3+Noise	7.9	13.6	43.5	91.6	145.2	60
Circle8DualDefault	0	9.8	39.3	85.6	123.3	51
Circle10Star+Noise	11.8	16.3	43.4	79.2	98.7	49
Circle10DualFactor3+Noise	5.5	10.9	37.8	81.4	110.6	49
Circle8DualFactor3+Noise	6.8	12.7	42.2	82.7	94.2	47
Circle10DualStar	0	0	28.2	85.0	124.2	47
Circle11DualFactor3+Noise	6	12	35.2	76.9	107.2	47
Circle10DualFactor3	0	4.8	40.8	80.2	109.3	47
Circle12Star+Noise	10.6	14.7	37	70.3	87.2	43
Circle13Factor3+Noise	6.2	10.4	32.6	70.9	92.2	42
Circle15DualStar	0	1.6	35.8	68.2	101.9	41
Circle17DualStar	0	1.3	34.4	65.0	95.4	39
Circle6Factor3+Noise	7.7	15.7	53.2	79.6	34.9	38
Circle7DualDefault	0	6.4	37	66.7	79.7	37
Circle6DualDefault	0	4.8	36.2	67.2	79.0	37
Circle6DualStar+Noise	14.7	20.9	42.1	59.2	32.4	33
Circle8DualStar	0	0	0	49.0	78.7	25
Circle9DualStar	0	0	0.2	39.1	74.9	22
Circle9DualFactor3	0	0	5.4	35.9	69.9	22
SquareDualFactor3	0	4.9	19.2	35.8	49.8	21
Circle8DualFactor3	0	0	5.8	37.6	64.2	21
Circle10Factor3	0	1.1	12.9	32.5	52.6	19
Circle14Factor3	0	1	10.7	36.4	50.1	19
Circle9Factor3	0	1.1	9.5	31.6	46.0	17
Circle10Star	0	0	2.8	30.9	49.0	16
SquareDualDefault+Noise	2.1	3.5	12.3	26.7	37.8	16
Circle7DualFactor3	0	0	0	2.5	0.0	0
Circle7DualStar	0	0	0	1.9	0.0	0
Circle6DualStar	0	0	0	0.0	0.1	0

Table 1: domain: 32x32, 64x64, 128x128, 256x256