

2030

2021

2021

4

21

5.34

1

3

4

2

2

3

3

4

2

2

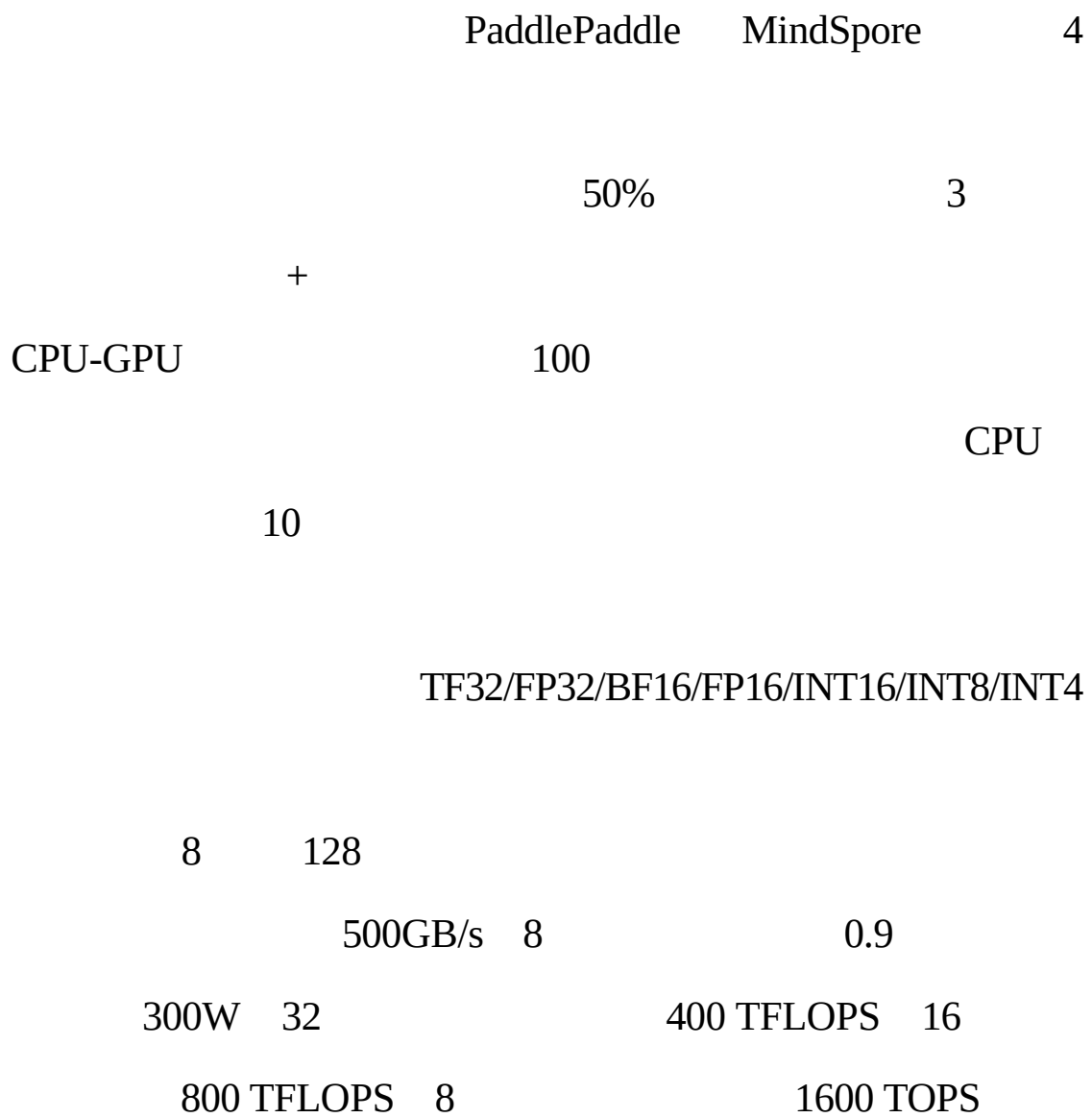
4

2

4

2

2



RRAM SRAM

Cj —

PaddlePaddle	MindSpore	4
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100

EDA

AI

EDA

7nm

14nm 28nm 32nm

10%

PPA

85%

5%

PPA

30%

EDA

10%

1000

10%

CAM

10%

3

15

ii-V*-V

90%

300

90%

95%

200

2

2000

100

3000

18

95%

1000

C

S

90%

10

4

2000

95%

$\pm 20\text{mm}$

3

0.5

95%

80%

2

ó

20



10

98%

50%

2

1

8

1000

10

23