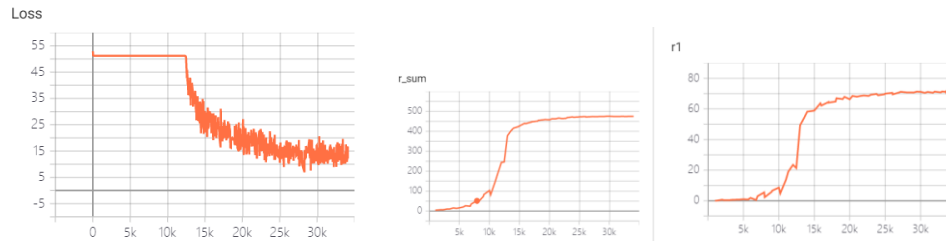


py3.6+torch1.7.1+cu110+RTX3090

SGR:

Train:



最后一个 epoch, val 测试结果

I2T: 73.3 92.3 96.8

T2i: 53.8 77.1 82.9

Test:

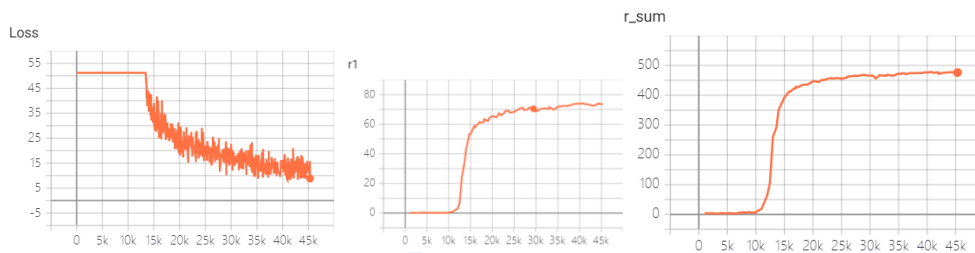
I2T: 74.9 92.8 95.9

T2I: 54.0 78.9 85.2

RSUM:481.7

SAF:

Train:



最后一个 epoch, val 测试结果:

I2T: 71.0 92.1 95.7

T2I: 52.2 78.3 85.5

Test:

I2T: 71.3 92.8 96

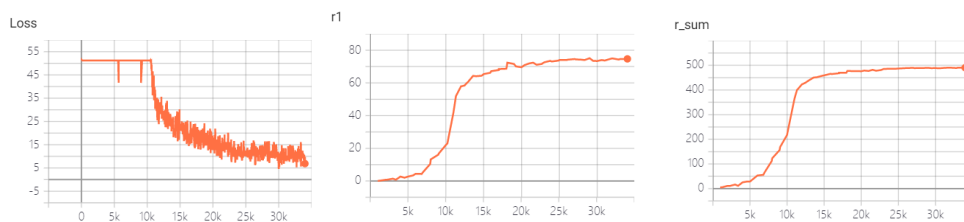
T2I: 53.1 79.2 86

RSUM:478.4

py2.7+torch0.4.1+cu10.0+TITAN X pascal

SAF:

train:



I2T: 74.7 94.2 97.6

T2i: 56.2 80.9 87.1

test:

I2T: 74.4 93.8 96.9

T2I: 56.3 81.7 88.1

RSUM: 491.2

SGR:所需要显存超过 12g, 且 3090 不支持低于 cuda11 版本, 所以无法重新训练。

作者公布预训练模型在f30k效果，预训练模型在对应环境确实达到了论文中sota水平

py3.6+torch1.7.1+cu110+RTX3090

- SGR:
 - i2t: 73.8 91.1 95.7
 - t2i: 52.8 76.6 82.9
 - rsum: 472.9
- SAF:
 - i2t: 72.2 91.6 95.4
 - t2i: 51.3 77.5 84.8
 - rsum: 472.9

py2.7+torch0.4.1+cu10.0+TITAN X pascal

- SGR:
 - i2t: 76.6 93.7 96.6
 - t2i: 56.1 80.9 87.0
 - rsum: 491
- SAF:
 - i2t: 75.6 92.7 96.9
 - t2i: 56.5 82.0 88.4
 - rsum: 492.1

上图是不同环境下公布预训练模型的测试结果