实验条件：

系统： Windows 10

处理器： Intel(R) Core(TM) i7-7700 CPU @ 3.6GHz 3.60GHz

Python: 3.6.7 (default, Jul 2 2019, 02:21:41) [MSC v.1900 64 bit (AMD64)]

Numpy: 1.16.4

pytorch version: 1.1.0

caffe2 version: 1.1.0

tensorflow version: 1.9.0

onnxruntime version: 0.4.0

单位： fps

Batch size: 1

|  |  |  |
| --- | --- | --- |
|  | ResNet50 | ResNet18 |
| Caffeine | 6.1 | 16.0 |
| TensorFlow | 3.9 | - |
| PyTorch | 5.7 | 11.3 |
| Caffe2 | 14.6 | - |
| Onnxruntime | 25.8 | 59.0 |
| Onnxruntime + mkldnn | 25.4 | 71.6 |
| Onnxruntime + ngraph | 36.1 | 89.8 |