

```

!python -m pip install
'git+https://github.com/facebookresearch/detectron2.git'

Collecting git+https://github.com/facebookresearch/detectron2.git
  Cloning https://github.com/facebookresearch/detectron2.git to
/tmp/pip-req-build-8nwddjh0
  Running command git clone --filter=blob:none --quiet
https://github.com/facebookresearch/detectron2.git /tmp/pip-req-build-
8nwddjh0
  Resolved https://github.com/facebookresearch/detectron2.git to
commit a2e43eab54d28ffbd59f5e9b4e3193b82faeb70f
  Preparing metadata (setup.py) ... ent already satisfied: Pillow>=7.1
in /usr/local/lib/python3.10/dist-packages (from detectron2==0.6)
(8.4.0)
Requirement already satisfied: matplotlib in
/usr/local/lib/python3.10/dist-packages (from detectron2==0.6) (3.7.1)
Requirement already satisfied: pycocotools>=2.0.2 in
/usr/local/lib/python3.10/dist-packages (from detectron2==0.6) (2.0.6)
Requirement already satisfied: termcolor>=1.1 in
/usr/local/lib/python3.10/dist-packages (from detectron2==0.6) (2.3.0)
Collecting yacs>=0.1.8 (from detectron2==0.6)
  Downloading yacs-0.1.8-py3-none-any.whl (14 kB)
Requirement already satisfied: tabulate in
/usr/local/lib/python3.10/dist-packages (from detectron2==0.6) (0.9.0)
Requirement already satisfied: cloudpickle in
/usr/local/lib/python3.10/dist-packages (from detectron2==0.6) (2.2.1)
Requirement already satisfied: tqdm>4.29.0 in
/usr/local/lib/python3.10/dist-packages (from detectron2==0.6)
(4.65.0)
Requirement already satisfied: tensorboard in
/usr/local/lib/python3.10/dist-packages (from detectron2==0.6)
(2.12.3)
Collecting fvcore<0.1.6,>=0.1.5 (from detectron2==0.6)
  Downloading fvcore-0.1.5.post20221221.tar.gz (50 kB)
  _____ 50.2/50.2 kB 1.7 MB/s eta
0:00:00
etadata (setup.py) ... detectron2==0.6)
  Downloading iopath-0.1.9-py3-none-any.whl (27 kB)
Collecting omegaconf>=2.1 (from detectron2==0.6)
  Downloading omegaconf-2.3.0-py3-none-any.whl (79 kB)
  _____ 79.5/79.5 kB 6.7 MB/s eta
0:00:00
detectron2==0.6)
  Downloading hydra_core-1.3.2-py3-none-any.whl (154 kB)
  _____ 154.5/154.5 kB 16.1 MB/s eta
0:00:00
detectron2==0.6)
  Downloading black-23.7.0-cp310-cp310-
manylinux2014_x86_64.whl (1.7 MB)
  _____ 1.7/1.7 MB 56.5 MB/s eta

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0:00:00
ent already satisfied: packaging in /usr/local/lib/python3.10/dist-
packages (from detectron2==0.6) (23.1)
Requirement already satisfied: numpy in
/usr/local/lib/python3.10/dist-packages (from fvcore<0.1.6,>=0.1.5-
>detectron2==0.6) (1.22.4)
Requirement already satisfied: pyyaml>=5.1 in
/usr/local/lib/python3.10/dist-packages (from fvcore<0.1.6,>=0.1.5-
>detectron2==0.6) (6.0.1)
Collecting antlr4-python3-runtime==4.9.* (from hydra-core>=1.1-
>detectron2==0.6)
  Downloading antlr4-python3-runtime-4.9.3.tar.gz (117 kB)
  117.0/117.0 kB 12.9 MB/s eta
```

```
0:00:00
etadata (setup.py) ... iopath<0.1.10,>=0.1.7->detectron2==0.6)
  Downloading portalocker-2.7.0-py2.py3-none-any.whl (15 kB)
Requirement already satisfied: contourpy>=1.0.1 in
/usr/local/lib/python3.10/dist-packages (from matplotlib-
>detectron2==0.6) (1.1.0)
Requirement already satisfied: cycler>=0.10 in
/usr/local/lib/python3.10/dist-packages (from matplotlib-
>detectron2==0.6) (0.11.0)
Requirement already satisfied: fonttools>=4.22.0 in
/usr/local/lib/python3.10/dist-packages (from matplotlib-
>detectron2==0.6) (4.41.0)
Requirement already satisfied: kiwisolver>=1.0.1 in
/usr/local/lib/python3.10/dist-packages (from matplotlib-
>detectron2==0.6) (1.4.4)
Requirement already satisfied: pyparsing>=2.3.1 in
/usr/local/lib/python3.10/dist-packages (from matplotlib-
>detectron2==0.6) (3.1.0)
Requirement already satisfied: python-dateutil>=2.7 in
/usr/local/lib/python3.10/dist-packages (from matplotlib-
>detectron2==0.6) (2.8.2)
Requirement already satisfied: click>=8.0.0 in
/usr/local/lib/python3.10/dist-packages (from black->detectron2==0.6)
(8.1.6)
Collecting mypy_extensions>=0.4.3 (from black->detectron2==0.6)
  Downloading mypy_extensions-1.0.0-py3-none-any.whl (4.7 kB)
Collecting pathspec>=0.9.0 (from black->detectron2==0.6)
  Downloading pathspec-0.11.1-py3-none-any.whl (29 kB)
Requirement already satisfied: platformdirs>=2 in
/usr/local/lib/python3.10/dist-packages (from black->detectron2==0.6)
(3.9.1)
Requirement already satisfied: tomli>=1.1.0 in
/usr/local/lib/python3.10/dist-packages (from black->detectron2==0.6)
(2.0.1)
Requirement already satisfied: absl-py>=0.4 in
/usr/local/lib/python3.10/dist-packages (from tensorboard-
```

```
>detectron2==0.6) (1.4.0)
Requirement already satisfied: grpcio>=1.48.2 in
/usr/local/lib/python3.10/dist-packages (from tensorboard-
>detectron2==0.6) (1.56.0)
Requirement already satisfied: google-auth<3,>=1.6.3 in
/usr/local/lib/python3.10/dist-packages (from tensorboard-
>detectron2==0.6) (2.17.3)
Requirement already satisfied: google-auth-oauthlib<1.1,>=0.5 in
/usr/local/lib/python3.10/dist-packages (from tensorboard-
>detectron2==0.6) (1.0.0)
Requirement already satisfied: markdown>=2.6.8 in
/usr/local/lib/python3.10/dist-packages (from tensorboard-
>detectron2==0.6) (3.4.3)
Requirement already satisfied: protobuf>=3.19.6 in
/usr/local/lib/python3.10/dist-packages (from tensorboard-
>detectron2==0.6) (3.20.3)
Requirement already satisfied: requests<3,>=2.21.0 in
/usr/local/lib/python3.10/dist-packages (from tensorboard-
>detectron2==0.6) (2.27.1)
Requirement already satisfied: setuptools>=41.0.0 in
/usr/local/lib/python3.10/dist-packages (from tensorboard-
>detectron2==0.6) (67.7.2)
Requirement already satisfied: tensorboard-data-server<0.8.0,>=0.7.0
in /usr/local/lib/python3.10/dist-packages (from tensorboard-
>detectron2==0.6) (0.7.1)
Requirement already satisfied: werkzeug>=1.0.1 in
/usr/local/lib/python3.10/dist-packages (from tensorboard-
>detectron2==0.6) (2.3.6)
Requirement already satisfied: wheel>=0.26 in
/usr/local/lib/python3.10/dist-packages (from tensorboard-
>detectron2==0.6) (0.40.0)
Requirement already satisfied: cachetools<6.0,>=2.0.0 in
/usr/local/lib/python3.10/dist-packages (from google-auth<3,>=1.6.3-
>tensorboard->detectron2==0.6) (5.3.1)
Requirement already satisfied: pyasn1-modules>=0.2.1 in
/usr/local/lib/python3.10/dist-packages (from google-auth<3,>=1.6.3-
>tensorboard->detectron2==0.6) (0.3.0)
Requirement already satisfied: six>=1.9.0 in
/usr/local/lib/python3.10/dist-packages (from google-auth<3,>=1.6.3-
>tensorboard->detectron2==0.6) (1.16.0)
Requirement already satisfied: rsa<5,>=3.1.4 in
/usr/local/lib/python3.10/dist-packages (from google-auth<3,>=1.6.3-
>tensorboard->detectron2==0.6) (4.9)
Requirement already satisfied: requests-oauthlib>=0.7.0 in
/usr/local/lib/python3.10/dist-packages (from google-auth-
oauthlib<1.1,>=0.5->tensorboard->detectron2==0.6) (1.3.1)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in
/usr/local/lib/python3.10/dist-packages (from requests<3,>=2.21.0-
>tensorboard->detectron2==0.6) (1.26.16)
```

```
Requirement already satisfied: certifi>=2017.4.17 in
/usr/local/lib/python3.10/dist-packages (from requests<3,>=2.21.0-
>tensorboard->detectron2==0.6) (2023.5.7)
Requirement already satisfied: charset-normalizer~=2.0.0 in
/usr/local/lib/python3.10/dist-packages (from requests<3,>=2.21.0-
>tensorboard->detectron2==0.6) (2.0.12)
Requirement already satisfied: idna<4,>=2.5 in
/usr/local/lib/python3.10/dist-packages (from requests<3,>=2.21.0-
>tensorboard->detectron2==0.6) (3.4)
Requirement already satisfied: MarkupSafe>=2.1.1 in
/usr/local/lib/python3.10/dist-packages (from werkzeug>=1.0.1-
>tensorboard->detectron2==0.6) (2.1.3)
Requirement already satisfied: pyasn1<0.6.0,>=0.4.6 in
/usr/local/lib/python3.10/dist-packages (from pyasn1-modules>=0.2.1-
>google-auth<3,>=1.6.3->tensorboard->detectron2==0.6) (0.5.0)
Requirement already satisfied: oauthlib>=3.0.0 in
/usr/local/lib/python3.10/dist-packages (from requests-
oauthlib>=0.7.0->google-auth-oauthlib<1.1,>=0.5->tensorboard-
>detectron2==0.6) (3.2.2)
Building wheels for collected packages: detectron2, fvcore, antlr4-
python3-runtime
  Building wheel for detectron2 (setup.py) ... e=detectron2-0.6-cp310-
cp310-linux_x86_64.whl size=6111769
sha256=23d4689381332fd572230cbe74302f72a192f14b7d908bdd888316bc19acbb
f
  Stored in directory:
/tmp/pip-ephem-wheel-cache-9zy3s4ww/wheels/47/e5/15/94c80df2ba85500c5d
76599cc307c0a7079d0e221bb6fc4375
  Building wheel for fvcore (setup.py) ... e=fvcore-
0.1.5.post20221221-py3-none-any.whl size=61405
sha256=155afeb3c878cc133666f62d6fa35d80e594afdeaa0bad60e8eae8004308934
2
  Stored in directory:
/root/.cache/pip/wheels/01/c0/af/77c1cf53a1be9e42a52b48e5af2169d40ec2e
89f7362489dd0
  Building wheel for antlr4-python3-runtime (setup.py) ... e:
filename=antlr4_python3_runtime-4.9.3-py3-none-any.whl size=144554
sha256=299003dd0b711962d21ff7b4a928f4092bc67cb3b04364e483bbd889c162a70
d
  Stored in directory:
/root/.cache/pip/wheels/12/93/dd/1f6a127edc45659556564c5730f6d4e300888
f4bca2d4c5a88
Successfully built detectron2 fvcore antlr4-python3-runtime
Installing collected packages: antlr4-python3-runtime, yacs,
portalocker, pathspec, omegaconf, mpyy-extensions, iopath, hydra-core,
black, fvcore, detectron2
Successfully installed antlr4-python3-runtime-4.9.3 black-23.7.0
detectron2-0.6 fvcore-0.1.5.post20221221 hydra-core-1.3.2 iopath-0.1.9
```

```
mypy-extensions-1.0.0 omegaconf-2.3.0 pathspec-0.11.1 portalocker-2.7.0 yacs-0.1.8
```

```
!python -m pip install pyyaml==5.1
```

```
Collecting pyyaml==5.1
```

```
  Downloading PyYAML-5.1.tar.gz (274 kB)
```

```
0.0/274.2 kB ? eta -:-:--  
122.9/274.2 kB 4.4 MB/s eta  
0:00:01 274.2/274.2 kB 5.0
```

```
MB/s eta 0:00:00
```

```
etadate (setup.py) ... l
```

```
Building wheel for pyyaml (setup.py) ... l: filename=PyYAML-5.1-cp310-cp310-linux_x86_64.whl size=44090
```

```
sha256=e359c6103d615d672f60394fb0dd41516bc426d27b5b8101586a5c9df6330e6  
1
```

```
Stored in directory:
```

```
/root/.cache/pip/wheels/70/83/31/975b737609aba39a4099d471d5684141c1fdc3404f97e7f68a
```

```
Successfully built pyyaml
```

```
Installing collected packages: pyyaml
```

```
Attempting uninstall: pyyaml
```

```
Found existing installation: PyYAML 6.0.1
```

```
Uninstalling PyYAML-6.0.1:
```

```
Successfully uninstalled PyYAML-6.0.1
```

```
ERROR: pip's dependency resolver does not currently take into account all the packages that are installed. This behaviour is the source of the following dependency conflicts.
```

```
dask 2022.12.1 requires pyyaml>=5.3.1, but you have pyyaml 5.1 which is incompatible.
```

```
flax 0.7.0 requires PyYAML>=5.4.1, but you have pyyaml 5.1 which is incompatible.
```

```
Successfully installed pyyaml-5.1
```

```
import torch, detectron2
```

```
!nvcc --version
```

```
TORCH_VERSION = ".".join(torch.__version__.split(".")[0:2])
```

```
CUDA_VERSION = torch.__version__.split("+")[-1]
```

```
print("torch: ", TORCH_VERSION, "; cuda: ", CUDA_VERSION)
```

```
print("detectron2:", detectron2.__version__)
```

```
nvcc: NVIDIA (R) Cuda compiler driver
```

```
Copyright (c) 2005-2022 NVIDIA Corporation
```

```
Built on Wed_Sep_21_10:33:58_PDT_2022
```

```
Cuda compilation tools, release 11.8, V11.8.89
```

```
Build cuda_11.8.r11.8/compiler.31833905_0
```

```
torch: 2.0 ; cuda: cu118
```

```
detectron2: 0.6
```

```

import detectron2
from detectron2.utils.logger import setup_logger
setup_logger()

# import some common libraries
import numpy as np
import cv2
import matplotlib.pyplot as plt

# import some common detectron2 utilities
from detectron2 import model_zoo
from detectron2.engine import DefaultPredictor
from detectron2.config import get_cfg
from detectron2.utils.visualizer import Visualizer
from detectron2.data import MetadataCatalog, DatasetCatalog

from google.colab import drive
drive.mount('/content/drive')

Mounted at /content/drive

!ls '/content/drive/MyDrive/Mahabub'

average_areas.txt  crack_info.txt  test  train

!ls '/content/drive/MyDrive/Mahabub/train'

rsz_1slm_square_finalx15k_0001.jpg    rsz_slm_square_finalx15k_0013.jpg
rsz_1slm_square_finalx15k_0001.json
rsz_slm_square_finalx15k_0013.json
rsz_1slm_square_finalx15k_0006.jpg    rsz_slm_square_finalx15k_0014.jpg
rsz_1slm_square_finalx15k_0006.json
rsz_slm_square_finalx15k_0014.json
rsz_1slm_square_finalx15k_0007.jpg    rsz_slm_square_finalx15k_0016.jpg
rsz_1slm_square_finalx15k_0007.json
rsz_slm_square_finalx15k_0016.json
rsz_1slm_square_finalx15k_0017.jpg    rsz_slm_square_finalx15k_0018.jpg
rsz_1slm_square_finalx15k_0017.json
rsz_slm_square_finalx15k_0018.json
rsz_1slm_square_finalx15k_0019.jpg    rsz_slm_square_finalx15k_0021.jpg
rsz_1slm_square_finalx15k_0019.json
rsz_slm_square_finalx15k_0021.json
rsz_1slm_square_finalx15k_0020.jpg    rsz_slm_square_finalx15k_0022.jpg
rsz_1slm_square_finalx15k_0020.json
rsz_slm_square_finalx15k_0022.json
rsz_1slm_square_finalx15k_0024.jpg    rsz_slm_square_finalx15k_0023.jpg
rsz_1slm_square_finalx15k_0024.json
rsz_slm_square_finalx15k_0023.json
rsz_1slm_square_finalx15k_0029.jpg    rsz_slm_square_finalx15k_0025.jpg
rsz_1slm_square_finalx15k_0029.json
rsz_slm_square_finalx15k_0025.json

```

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rsz_lslm_square_finalx15k_0031.jpg    rsz_slm_square_finalx15k_0026.jpg
rsz_lslm_square_finalx15k_0031.json
rsz_slm_square_finalx15k_0026.json
rsz_lslm_square_finalx15k_0032.jpg    rsz_slm_square_finalx15k_0027.jpg
rsz_lslm_square_finalx15k_0032.json
rsz_slm_square_finalx15k_0027.json
rsz_lslm_square_finalx15k_0040.jpg    rsz_slm_square_finalx15k_0028.jpg
rsz_lslm_square_finalx15k_0040.json
rsz_slm_square_finalx15k_0028.json
rsz_lslm_square_finalx15k_0059.jpg    rsz_slm_square_finalx15k_0030.jpg
rsz_lslm_square_finalx15k_0059.json
rsz_slm_square_finalx15k_0030.json
rsz_slm_square_finalx15k_0002.jpg    rsz_slm_square_finalx15k_0033.jpg
rsz_slm_square_finalx15k_0002.json
rsz_slm_square_finalx15k_0033.json
rsz_slm_square_finalx15k_0003.jpg    rsz_slm_square_finalx15k_0034.jpg
rsz_slm_square_finalx15k_0003.json
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rsz_slm_square_finalx15k_0004.jpg    rsz_slm_square_finalx15k_0035.jpg
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rsz_slm_square_finalx15k_0005.json
rsz_slm_square_finalx15k_0036.json
rsz_slm_square_finalx15k_0008.jpg    rsz_slm_square_finalx15k_0037.jpg
rsz_slm_square_finalx15k_0008.json
rsz_slm_square_finalx15k_0037.json
rsz_slm_square_finalx15k_0009.jpg    rsz_slm_square_finalx15k_0038.jpg
rsz_slm_square_finalx15k_0009.json
rsz_slm_square_finalx15k_0038.json
rsz_slm_square_finalx15k_0010.jpg    rsz_slm_square_finalx15k_0041.jpg
rsz_slm_square_finalx15k_0010.json
rsz_slm_square_finalx15k_0041.json
rsz_slm_square_finalx15k_0011.jpg    rsz_slm_square_finalx15k_0042.jpg
rsz_slm_square_finalx15k_0011.json
rsz_slm_square_finalx15k_0042.json
rsz_slm_square_finalx15k_0012.jpg    rsz_slm_square_finalx15k_0043.jpg
rsz_slm_square_finalx15k_0012.json
rsz_slm_square_finalx15k_0043.json
```

```
!ls '/content/drive/MyDrive/Mahabub/test'
```

```
rsz_lslm_square_finalx15k_0015.jpg    rsz_slm_square_finalx15k_0051.jpg
rsz_lslm_square_finalx15k_0015.json
rsz_slm_square_finalx15k_0051.json
rsz_lslm_square_finalx15k_0039.jpg    rsz_slm_square_finalx15k_0052.jpg
rsz_lslm_square_finalx15k_0039.json
rsz_slm_square_finalx15k_0052.json
rsz_lslm_square_finalx15k_0044.jpg    rsz_slm_square_finalx15k_0053.jpg
rsz_lslm_square_finalx15k_0044.json
```

```

rsz_slm_square_finalx15k_0053.json
rsz_slm_square_finalx15k_0045.jpg    rsz_slm_square_finalx15k_0054.jpg
rsz_slm_square_finalx15k_0045.json
rsz_slm_square_finalx15k_0054.json
rsz_slm_square_finalx15k_0046.jpg    rsz_slm_square_finalx15k_0055.jpg
rsz_slm_square_finalx15k_0046.json
rsz_slm_square_finalx15k_0055.json
rsz_slm_square_finalx15k_0047.jpg    rsz_slm_square_finalx15k_0056.jpg
rsz_slm_square_finalx15k_0047.json
rsz_slm_square_finalx15k_0056.json
rsz_slm_square_finalx15k_0048.jpg    rsz_slm_square_finalx15k_0057.jpg
rsz_slm_square_finalx15k_0048.json
rsz_slm_square_finalx15k_0057.json
rsz_slm_square_finalx15k_0049.jpg    rsz_slm_square_finalx15k_0058.jpg
rsz_slm_square_finalx15k_0049.json
rsz_slm_square_finalx15k_0058.json
rsz_slm_square_finalx15k_0050.jpg    rsz_slm_square_finalx15k_0060.jpg
rsz_slm_square_finalx15k_0050.json
rsz_slm_square_finalx15k_0060.json

```

```

import os
import numpy as np
import json
from detectron2.structures import BoxMode

def get_r_dicts(directory):

    classes = ['unmelted particle', 'porosity', 'microcrack']
    dataset_dicts = []
    for idx, filename in enumerate([file for file in
os.listdir(directory) if file.endswith('.json')]):
        json_file = os.path.join(directory, filename)
        with open(json_file) as f:
            img_anns = json.load(f)

        record = {}

        filename = os.path.join(directory, img_anns["imagePath"])

        record["file_name"] = filename
        record["image_id"] = idx
        record["height"] = 528
        record["width"] = 960

        annos = img_anns["shapes"]
        objs = []
        for anno in annos:
            px = [a[0] for a in anno['points']]
            py = [a[1] for a in anno['points']]
            poly = [(x, y) for x, y in zip(px, py)]

```



```

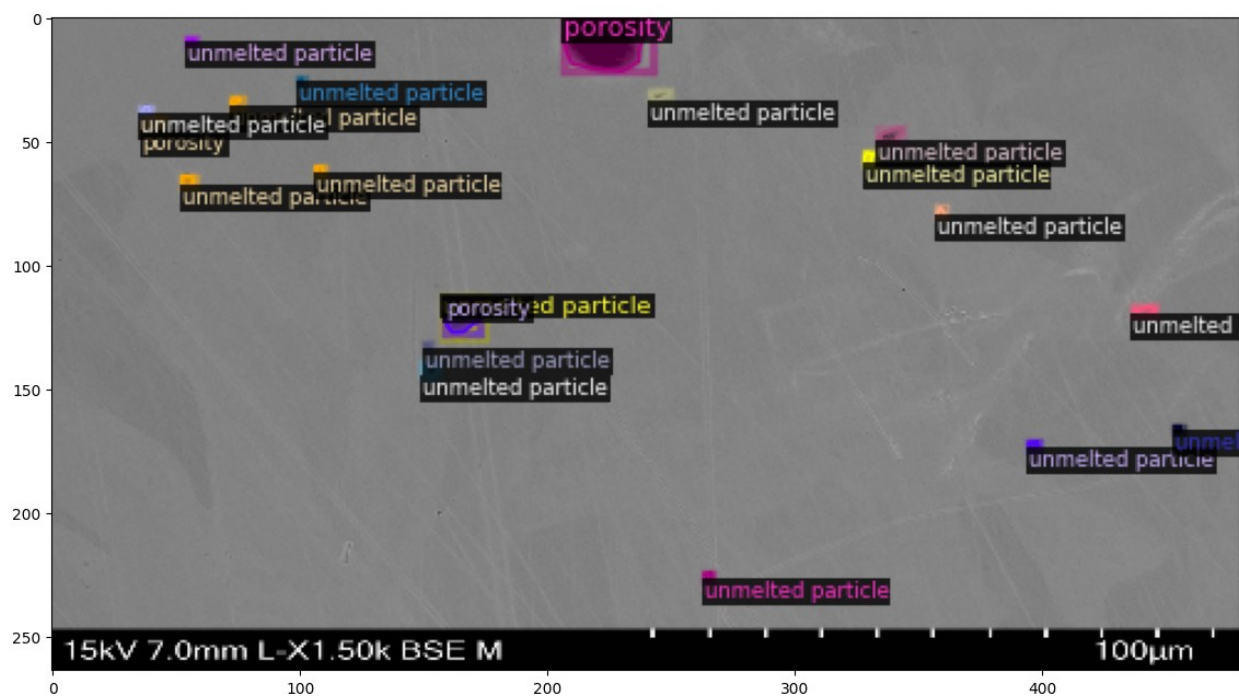
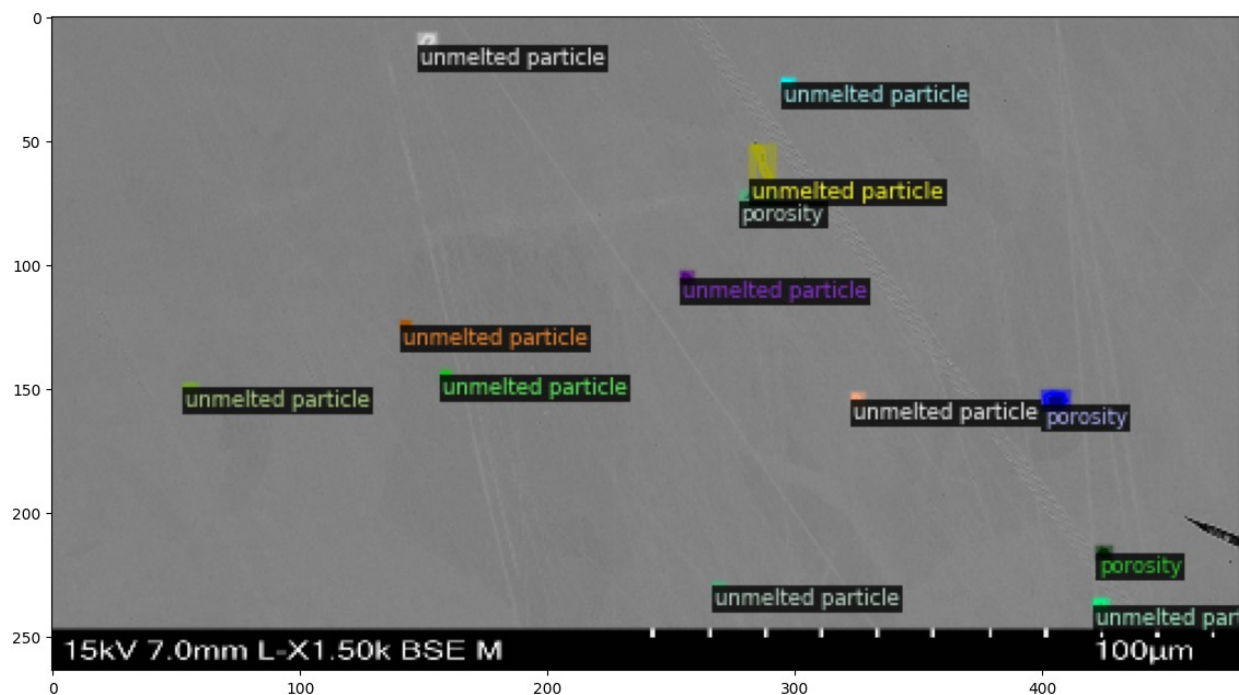
        poly = [p for x in poly for p in x]
        obj = {
            "bbox": [np.min(px), np.min(py), np.max(px),
np.max(py)],
            "bbox_mode": BoxMode.XYXY_ABS,
            "segmentation": [poly],
            "category_id": classes.index(anno['label']),
            "iscrowd": 0
        }
        objs.append(obj)
        record["annotations"] = objs
        dataset_dicts.append(record)
    return dataset_dicts

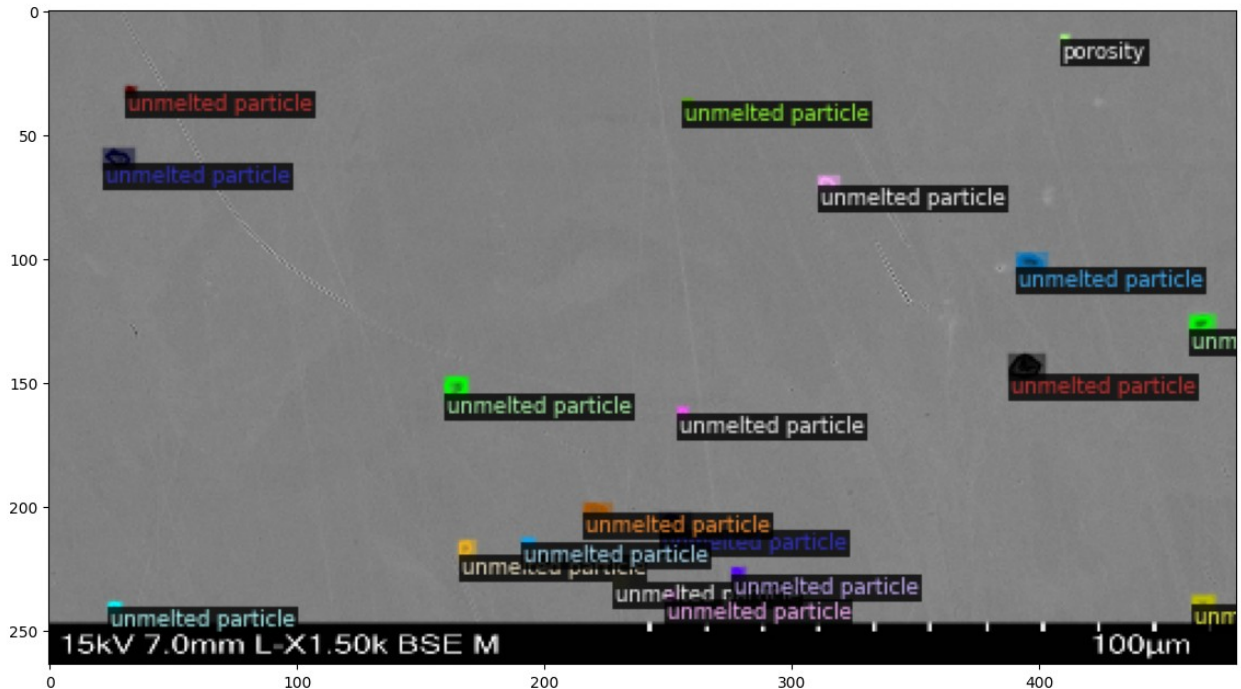
from detectron2.data import DatasetCatalog, MetadataCatalog
for d in ["train", "test"]:
    DatasetCatalog.register("p_" + d, lambda d=d:
get_r_dicts('/content/drive/MyDrive/Mahabub/' + d))
    MetadataCatalog.get("p_" + d).set(thing_classes=['unmelted
particle', 'porosity', 'microcrack'])
r_metadata = MetadataCatalog.get("p_train")

import random

dataset_dicts = get_r_dicts("/content/drive/MyDrive/Mahabub/train")
for d in random.sample(dataset_dicts, 3):
    img = cv2.imread(d["file_name"])
    v = Visualizer(img[:, :, ::-1], metadata=r_metadata, scale=0.5)
    v = v.draw_dataset_dict(d)
    plt.figure(figsize = (14, 10))
    plt.imshow(cv2.cvtColor(v.get_image()[:, :, ::-1],
cv2.COLOR_BGR2RGB))
    plt.show()

```





```

from detectron2.engine import DefaultTrainer
from detectron2.config import get_cfg
from detectron2 import model_zoo

cfg = get_cfg()
cfg.merge_from_file(model_zoo.get_config_file("COCO-Detection/faster_r
cnn_R_50_FPN_1x.yaml"))
cfg.DATASETS.TRAIN = ("p_train",)
cfg.DATASETS.TEST = ()
cfg.DATALOADER.NUM_WORKERS = 2
cfg.MODEL.WEIGHTS =
model_zoo.get_checkpoint_url("COCO-Detection/faster_rcnn_R_50_FPN_1x.y
aml")
cfg.SOLVER.IMS_PER_BATCH = 2
cfg.SOLVER.BASE_LR = 0.00025
cfg.SOLVER.MAX_ITER = 10000
cfg.SOLVER.STEPS = [] # do not decay learning rate
cfg.MODEL.ROI_HEADS.NUM_CLASSES = 3

os.makedirs(cfg.OUTPUT_DIR, exist_ok=True)
trainer = DefaultTrainer(cfg)
trainer.resume_or_load(resume=False)
trainer.train()

[07/21 22:29:25 d2.engine.defaults]: Model:
GeneralizedRCNN(
  (backbone): FPN(
    (fpn_lateral2): Conv2d(256, 256, kernel_size=(1, 1), stride=(1,

```

```

1))
    (fpn_output2): Conv2d(256, 256, kernel_size=(3, 3), stride=(1, 1),
padding=(1, 1))
    (fpn_lateral3): Conv2d(512, 256, kernel_size=(1, 1), stride=(1,
1))
    (fpn_output3): Conv2d(256, 256, kernel_size=(3, 3), stride=(1, 1),
padding=(1, 1))
    (fpn_lateral4): Conv2d(1024, 256, kernel_size=(1, 1), stride=(1,
1))
    (fpn_output4): Conv2d(256, 256, kernel_size=(3, 3), stride=(1, 1),
padding=(1, 1))
    (fpn_lateral5): Conv2d(2048, 256, kernel_size=(1, 1), stride=(1,
1))
    (fpn_output5): Conv2d(256, 256, kernel_size=(3, 3), stride=(1, 1),
padding=(1, 1))
    (top_block): LastLevelMaxPool()
    (bottom_up): ResNet(
        (stem): BasicStem(
            (conv1): Conv2d(
                3, 64, kernel_size=(7, 7), stride=(2, 2), padding=(3, 3),
bias=False
            (norm): FrozenBatchNorm2d(num_features=64, eps=1e-05)
        )
    )
    (res2): Sequential(
        (0): BottleneckBlock(
            (shortcut): Conv2d(
                64, 256, kernel_size=(1, 1), stride=(1, 1), bias=False
            (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
        )
            (conv1): Conv2d(
                64, 64, kernel_size=(1, 1), stride=(1, 1), bias=False
            (norm): FrozenBatchNorm2d(num_features=64, eps=1e-05)
        )
            (conv2): Conv2d(
                64, 64, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1),
bias=False
            (norm): FrozenBatchNorm2d(num_features=64, eps=1e-05)
        )
            (conv3): Conv2d(
                64, 256, kernel_size=(1, 1), stride=(1, 1), bias=False
            (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
        )
        )
        (1): BottleneckBlock(
            (conv1): Conv2d(
                256, 64, kernel_size=(1, 1), stride=(1, 1), bias=False
            (norm): FrozenBatchNorm2d(num_features=64, eps=1e-05)
        )
    )

```

```

        (conv2): Conv2d(
          64, 64, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1),
bias=False
          (norm): FrozenBatchNorm2d(num_features=64, eps=1e-05)
        )
        (conv3): Conv2d(
          64, 256, kernel_size=(1, 1), stride=(1, 1), bias=False
          (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
        )
      )
    (2): BottleneckBlock(
      (conv1): Conv2d(
        256, 64, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=64, eps=1e-05)
      )
      (conv2): Conv2d(
        64, 64, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1),
bias=False
        (norm): FrozenBatchNorm2d(num_features=64, eps=1e-05)
      )
      (conv3): Conv2d(
        64, 256, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
      )
    )
  )
  (res3): Sequential(
    (0): BottleneckBlock(
      (shortcut): Conv2d(
        256, 512, kernel_size=(1, 1), stride=(2, 2), bias=False
        (norm): FrozenBatchNorm2d(num_features=512, eps=1e-05)
      )
      (conv1): Conv2d(
        256, 128, kernel_size=(1, 1), stride=(2, 2), bias=False
        (norm): FrozenBatchNorm2d(num_features=128, eps=1e-05)
      )
      (conv2): Conv2d(
        128, 128, kernel_size=(3, 3), stride=(1, 1), padding=(1,
1), bias=False
        (norm): FrozenBatchNorm2d(num_features=128, eps=1e-05)
      )
      (conv3): Conv2d(
        128, 512, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=512, eps=1e-05)
      )
    )
    (1): BottleneckBlock(
      (conv1): Conv2d(
        512, 128, kernel_size=(1, 1), stride=(1, 1), bias=False

```

```

        (norm): FrozenBatchNorm2d(num_features=128, eps=1e-05)
    )
    (conv2): Conv2d(
        128, 128, kernel_size=(3, 3), stride=(1, 1), padding=(1,
1), bias=False
        (norm): FrozenBatchNorm2d(num_features=128, eps=1e-05)
    )
    (conv3): Conv2d(
        128, 512, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=512, eps=1e-05)
    )
)
(2): BottleneckBlock(
    (conv1): Conv2d(
        512, 128, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=128, eps=1e-05)
    )
    (conv2): Conv2d(
        128, 128, kernel_size=(3, 3), stride=(1, 1), padding=(1,
1), bias=False
        (norm): FrozenBatchNorm2d(num_features=128, eps=1e-05)
    )
    (conv3): Conv2d(
        128, 512, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=512, eps=1e-05)
    )
)
(3): BottleneckBlock(
    (conv1): Conv2d(
        512, 128, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=128, eps=1e-05)
    )
    (conv2): Conv2d(
        128, 128, kernel_size=(3, 3), stride=(1, 1), padding=(1,
1), bias=False
        (norm): FrozenBatchNorm2d(num_features=128, eps=1e-05)
    )
    (conv3): Conv2d(
        128, 512, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=512, eps=1e-05)
    )
)
)
(res4): Sequential(
  (0): BottleneckBlock(
    (shortcut): Conv2d(
        512, 1024, kernel_size=(1, 1), stride=(2, 2), bias=False
        (norm): FrozenBatchNorm2d(num_features=1024, eps=1e-05)
    )

```

```

        (conv1): Conv2d(
          512, 256, kernel_size=(1, 1), stride=(2, 2), bias=False
          (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
        )
        (conv2): Conv2d(
          256, 256, kernel_size=(3, 3), stride=(1, 1), padding=(1,
1), bias=False
          (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
        )
        (conv3): Conv2d(
          256, 1024, kernel_size=(1, 1), stride=(1, 1), bias=False
          (norm): FrozenBatchNorm2d(num_features=1024, eps=1e-05)
        )
      )
    (1): BottleneckBlock(
      (conv1): Conv2d(
        1024, 256, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
      )
      (conv2): Conv2d(
        256, 256, kernel_size=(3, 3), stride=(1, 1), padding=(1,
1), bias=False
        (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
      )
      (conv3): Conv2d(
        256, 1024, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=1024, eps=1e-05)
      )
    )
    (2): BottleneckBlock(
      (conv1): Conv2d(
        1024, 256, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
      )
      (conv2): Conv2d(
        256, 256, kernel_size=(3, 3), stride=(1, 1), padding=(1,
1), bias=False
        (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
      )
      (conv3): Conv2d(
        256, 1024, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=1024, eps=1e-05)
      )
    )
    (3): BottleneckBlock(
      (conv1): Conv2d(
        1024, 256, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
      )
    )

```

```

        (conv2): Conv2d(
          256, 256, kernel_size=(3, 3), stride=(1, 1), padding=(1,
1), bias=False
          (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
        )
        (conv3): Conv2d(
          256, 1024, kernel_size=(1, 1), stride=(1, 1), bias=False
          (norm): FrozenBatchNorm2d(num_features=1024, eps=1e-05)
        )
      )
    (4): BottleneckBlock(
      (conv1): Conv2d(
        1024, 256, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
      )
      (conv2): Conv2d(
        256, 256, kernel_size=(3, 3), stride=(1, 1), padding=(1,
1), bias=False
        (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
      )
      (conv3): Conv2d(
        256, 1024, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=1024, eps=1e-05)
      )
    )
    (5): BottleneckBlock(
      (conv1): Conv2d(
        1024, 256, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
      )
      (conv2): Conv2d(
        256, 256, kernel_size=(3, 3), stride=(1, 1), padding=(1,
1), bias=False
        (norm): FrozenBatchNorm2d(num_features=256, eps=1e-05)
      )
      (conv3): Conv2d(
        256, 1024, kernel_size=(1, 1), stride=(1, 1), bias=False
        (norm): FrozenBatchNorm2d(num_features=1024, eps=1e-05)
      )
    )
  )
  (res5): Sequential(
    (0): BottleneckBlock(
      (shortcut): Conv2d(
        1024, 2048, kernel_size=(1, 1), stride=(2, 2), bias=False
        (norm): FrozenBatchNorm2d(num_features=2048, eps=1e-05)
      )
      (conv1): Conv2d(
        1024, 512, kernel_size=(1, 1), stride=(2, 2), bias=False

```



```
(norm): FrozenBatchNorm2d(num_features=512, eps=1e-05)
)
(conv2): Conv2d(
  512, 512, kernel_size=(3, 3), stride=(1, 1), padding=(1,
1), bias=False
  (norm): FrozenBatchNorm2d(num_features=512, eps=1e-05)
)
(conv3): Conv2d(
  512, 2048, kernel_size=(1, 1), stride=(1, 1), bias=False
  (norm): FrozenBatchNorm2d(num_features=2048, eps=1e-05)
)
)
(1): BottleneckBlock(
  (conv1): Conv2d(
    2048, 512, kernel_size=(1, 1), stride=(1, 1), bias=False
    (norm): FrozenBatchNorm2d(num_features=512, eps=1e-05)
  )
  (conv2): Conv2d(
    512, 512, kernel_size=(3, 3), stride=(1, 1), padding=(1,
1), bias=False
    (norm): FrozenBatchNorm2d(num_features=512, eps=1e-05)
  )
  (conv3): Conv2d(
    512, 2048, kernel_size=(1, 1), stride=(1, 1), bias=False
    (norm): FrozenBatchNorm2d(num_features=2048, eps=1e-05)
  )
)
(2): BottleneckBlock(
  (conv1): Conv2d(
    2048, 512, kernel_size=(1, 1), stride=(1, 1), bias=False
    (norm): FrozenBatchNorm2d(num_features=512, eps=1e-05)
  )
  (conv2): Conv2d(
    512, 512, kernel_size=(3, 3), stride=(1, 1), padding=(1,
1), bias=False
    (norm): FrozenBatchNorm2d(num_features=512, eps=1e-05)
  )
  (conv3): Conv2d(
    512, 2048, kernel_size=(1, 1), stride=(1, 1), bias=False
    (norm): FrozenBatchNorm2d(num_features=2048, eps=1e-05)
  )
)
)
)
)
)
(proposal_generator): RPN(
  (rpn_head): StandardRPNHead(
    (conv): Conv2d(
      256, 256, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1)
```

```

        (activation): ReLU()
    )
    (objectness_logits): Conv2d(256, 3, kernel_size=(1, 1),
stride=(1, 1))
    (anchor_deltas): Conv2d(256, 12, kernel_size=(1, 1), stride=(1,
1))
    )
    (anchor_generator): DefaultAnchorGenerator(
    (cell_anchors): BufferList()
    )
    )
    (roi_heads): StandardROIHeads(
    (box_pooler): ROIAlign(
    (level_poolers): ModuleList(
    (0): ROIAlign(output_size=(7, 7), spatial_scale=0.25,
sampling_ratio=0, aligned=True)
    (1): ROIAlign(output_size=(7, 7), spatial_scale=0.125,
sampling_ratio=0, aligned=True)
    (2): ROIAlign(output_size=(7, 7), spatial_scale=0.0625,
sampling_ratio=0, aligned=True)
    (3): ROIAlign(output_size=(7, 7), spatial_scale=0.03125,
sampling_ratio=0, aligned=True)
    )
    )
    (box_head): FastRCNNConvFCHead(
    (flatten): Flatten(start_dim=1, end_dim=-1)
    (fc1): Linear(in_features=12544, out_features=1024, bias=True)
    (fc_relu1): ReLU()
    (fc2): Linear(in_features=1024, out_features=1024, bias=True)
    (fc_relu2): ReLU()
    )
    (box_predictor): FastRCNNOutputLayers(
    (cls_score): Linear(in_features=1024, out_features=4, bias=True)
    (bbox_pred): Linear(in_features=1024, out_features=12,
bias=True)
    )
    )
    )

```

[07/21 22:29:25 d2.data.build]: Removed 0 images with no usable annotations. 42 images left.

[07/21 22:29:25 d2.data.build]: Distribution of instances among all 3 categories:

category	#instances	category	#instances	category
unmelted pa..	639	porosity	67	
microcrack	9			

```

|         total         | 715         |         |         |
|         |         |         |         |
[07/21 22:29:25 d2.data.dataset_mapper]: [DatasetMapper] Augmentations
used in training: [ResizeShortestEdge(short_edge_length=(640, 672,
704, 736, 768, 800), max_size=1333, sample_style='choice'),
RandomFlip()]
[07/21 22:29:25 d2.data.build]: Using training sampler TrainingSampler
[07/21 22:29:25 d2.data.common]: Serializing the dataset using: <class
'detectron2.data.common._TorchSerializedList'>
[07/21 22:29:25 d2.data.common]: Serializing 42 elements to byte
tensors and concatenating them all ...
[07/21 22:29:25 d2.data.common]: Serialized dataset takes 0.16 MiB
[07/21 22:29:25 d2.checkpoint.detection_checkpoint]:
[DetectionCheckpointer] Loading from
https://dl.fbaipublicfiles.com/detectron2/COCO-Detection/faster_rcnn_R
_50_FPN_1x/137257794/model_final_b275ba.pkl ...

model_final_b275ba.pkl: 167MB [00:01, 107MB/s]

WARNING:fvcore.common.checkpoint:Skip loading parameter
'roi_heads.box_predictor.cls_score.weight' to the model due to
incompatible shapes: (81, 1024) in the checkpoint but (4, 1024) in the
model! You might want to double check if this is expected.
WARNING:fvcore.common.checkpoint:Skip loading parameter
'roi_heads.box_predictor.cls_score.bias' to the model due to
incompatible shapes: (81,) in the checkpoint but (4,) in the model!
You might want to double check if this is expected.
WARNING:fvcore.common.checkpoint:Skip loading parameter
'roi_heads.box_predictor.bbox_pred.weight' to the model due to
incompatible shapes: (320, 1024) in the checkpoint but (12, 1024) in
the model! You might want to double check if this is expected.
WARNING:fvcore.common.checkpoint:Skip loading parameter
'roi_heads.box_predictor.bbox_pred.bias' to the model due to
incompatible shapes: (320,) in the checkpoint but (12,) in the model!
You might want to double check if this is expected.
WARNING:fvcore.common.checkpoint:Some model parameters or buffers are
not found in the checkpoint:
roi_heads.box_predictor.bbox_pred.{bias, weight}
roi_heads.box_predictor.cls_score.{bias, weight}

[07/21 22:29:27 d2.engine.train_loop]: Starting training from
iteration 0

/usr/local/lib/python3.10/dist-packages/torch/functional.py:504:
UserWarning: torch.meshgrid: in an upcoming release, it will be
required to pass the indexing argument. (Triggered internally at
../aten/src/ATen/native/TensorShape.cpp:3483.)
  return _VF.meshgrid(tensors, **kwargs) # type: ignore[attr-defined]

```

```
[07/21 22:29:41 d2.utils.events]: eta: 1:18:23 iter: 19 total_loss:
3.499 loss_cls: 1.385 loss_box_reg: 0.6632 loss_rpn_cls: 1.222
loss_rpn_loc: 0.2418 time: 0.4674 last_time: 0.4050 data_time:
0.0339 last_data_time: 0.0038 lr: 4.9953e-06 max_mem: 2456M
[07/21 22:29:53 d2.utils.events]: eta: 1:17:40 iter: 39 total_loss:
2.516 loss_cls: 1.31 loss_box_reg: 0.6905 loss_rpn_cls: 0.3614
loss_rpn_loc: 0.2264 time: 0.4680 last_time: 0.5079 data_time:
0.0098 last_data_time: 0.0236 lr: 9.9902e-06 max_mem: 2456M
[07/21 22:30:03 d2.utils.events]: eta: 1:17:50 iter: 59 total_loss:
2.19 loss_cls: 1.11 loss_box_reg: 0.6608 loss_rpn_cls: 0.08315
loss_rpn_loc: 0.233 time: 0.4664 last_time: 0.4696 data_time:
0.0076 last_data_time: 0.0084 lr: 1.4985e-05 max_mem: 2456M
[07/21 22:30:12 d2.utils.events]: eta: 1:17:55 iter: 79 total_loss:
1.837 loss_cls: 0.8675 loss_box_reg: 0.6548 loss_rpn_cls: 0.04804
loss_rpn_loc: 0.2105 time: 0.4682 last_time: 0.4783 data_time:
0.0125 last_data_time: 0.0089 lr: 1.998e-05 max_mem: 2456M
[07/21 22:30:22 d2.utils.events]: eta: 1:17:57 iter: 99 total_loss:
1.64 loss_cls: 0.6814 loss_box_reg: 0.6616 loss_rpn_cls: 0.04725
loss_rpn_loc: 0.2234 time: 0.4677 last_time: 0.4665 data_time:
0.0135 last_data_time: 0.0265 lr: 2.4975e-05 max_mem: 2458M
[07/21 22:30:31 d2.utils.events]: eta: 1:18:07 iter: 119
total_loss: 1.467 loss_cls: 0.5949 loss_box_reg: 0.6186
loss_rpn_cls: 0.04936 loss_rpn_loc: 0.2249 time: 0.4676
last_time: 0.4852 data_time: 0.0087 last_data_time: 0.0057 lr:
2.997e-05 max_mem: 2458M
[07/21 22:30:41 d2.utils.events]: eta: 1:18:11 iter: 139
total_loss: 1.376 loss_cls: 0.4852 loss_box_reg: 0.5958
loss_rpn_cls: 0.04025 loss_rpn_loc: 0.2146 time: 0.4704
last_time: 0.4866 data_time: 0.0143 last_data_time: 0.0069 lr:
3.4965e-05 max_mem: 2458M
[07/21 22:30:50 d2.utils.events]: eta: 1:18:22 iter: 159
total_loss: 1.318 loss_cls: 0.4588 loss_box_reg: 0.6081
loss_rpn_cls: 0.03885 loss_rpn_loc: 0.201 time: 0.4725 last_time:
0.5027 data_time: 0.0117 last_data_time: 0.0060 lr: 3.996e-05
max_mem: 2458M
[07/21 22:31:00 d2.utils.events]: eta: 1:18:12 iter: 179
total_loss: 1.226 loss_cls: 0.4032 loss_box_reg: 0.5603
loss_rpn_cls: 0.04854 loss_rpn_loc: 0.2227 time: 0.4735
last_time: 0.4965 data_time: 0.0088 last_data_time: 0.0086 lr:
4.4955e-05 max_mem: 2458M
[07/21 22:31:10 d2.utils.events]: eta: 1:18:11 iter: 199
total_loss: 1.21 loss_cls: 0.3805 loss_box_reg: 0.6012
loss_rpn_cls: 0.04677 loss_rpn_loc: 0.2164 time: 0.4752
last_time: 0.5043 data_time: 0.0093 last_data_time: 0.0078 lr:
4.995e-05 max_mem: 2458M
[07/21 22:31:20 d2.utils.events]: eta: 1:18:26 iter: 219
total_loss: 1.124 loss_cls: 0.3478 loss_box_reg: 0.5437
loss_rpn_cls: 0.03672 loss_rpn_loc: 0.1995 time: 0.4778
last_time: 0.5397 data_time: 0.0130 last_data_time: 0.0255 lr:
5.4945e-05 max_mem: 2458M
```

```
[07/21 22:31:30 d2.utils.events]: eta: 1:18:27 iter: 239
total_loss: 1.111 loss_cls: 0.3222 loss_box_reg: 0.5343
loss_rpn_cls: 0.0382 loss_rpn_loc: 0.211 time: 0.4797 last_time:
0.5194 data_time: 0.0090 last_data_time: 0.0090 lr: 5.994e-05
max_mem: 2458M
[07/21 22:31:40 d2.utils.events]: eta: 1:18:38 iter: 259
total_loss: 1.13 loss_cls: 0.3149 loss_box_reg: 0.5456
loss_rpn_cls: 0.04382 loss_rpn_loc: 0.22 time: 0.4815 last_time:
0.4430 data_time: 0.0124 last_data_time: 0.0061 lr: 6.4935e-05
max_mem: 2458M
[07/21 22:31:50 d2.utils.events]: eta: 1:18:46 iter: 279
total_loss: 1.065 loss_cls: 0.2966 loss_box_reg: 0.5416
loss_rpn_cls: 0.04067 loss_rpn_loc: 0.2097 time: 0.4827
last_time: 0.5154 data_time: 0.0120 last_data_time: 0.0062 lr:
6.993e-05 max_mem: 2458M
[07/21 22:32:00 d2.utils.events]: eta: 1:18:53 iter: 299
total_loss: 1.054 loss_cls: 0.276 loss_box_reg: 0.498 loss_rpn_cls:
0.03307 loss_rpn_loc: 0.2057 time: 0.4847 last_time: 0.5416
data_time: 0.0077 last_data_time: 0.0083 lr: 7.4925e-05 max_mem:
2458M
[07/21 22:32:11 d2.utils.events]: eta: 1:18:57 iter: 319
total_loss: 1.023 loss_cls: 0.267 loss_box_reg: 0.5225
loss_rpn_cls: 0.03885 loss_rpn_loc: 0.207 time: 0.4864 last_time:
0.5238 data_time: 0.0092 last_data_time: 0.0087 lr: 7.992e-05
max_mem: 2458M
[07/21 22:32:21 d2.utils.events]: eta: 1:19:31 iter: 339
total_loss: 1.018 loss_cls: 0.254 loss_box_reg: 0.5433
loss_rpn_cls: 0.03465 loss_rpn_loc: 0.1935 time: 0.4885
last_time: 0.5258 data_time: 0.0084 last_data_time: 0.0075 lr:
8.4915e-05 max_mem: 2458M
[07/21 22:32:31 d2.utils.events]: eta: 1:19:26 iter: 359
total_loss: 1.006 loss_cls: 0.255 loss_box_reg: 0.5409
loss_rpn_cls: 0.03478 loss_rpn_loc: 0.2017 time: 0.4891
last_time: 0.4808 data_time: 0.0118 last_data_time: 0.0161 lr:
8.991e-05 max_mem: 2458M
[07/21 22:32:41 d2.utils.events]: eta: 1:19:38 iter: 379
total_loss: 1.021 loss_cls: 0.2449 loss_box_reg: 0.5444
loss_rpn_cls: 0.03209 loss_rpn_loc: 0.2119 time: 0.4900
last_time: 0.4545 data_time: 0.0102 last_data_time: 0.0074 lr:
9.4905e-05 max_mem: 2458M
[07/21 22:32:51 d2.utils.events]: eta: 1:19:46 iter: 399
total_loss: 0.9483 loss_cls: 0.2249 loss_box_reg: 0.4953
loss_rpn_cls: 0.03482 loss_rpn_loc: 0.1969 time: 0.4909
last_time: 0.5159 data_time: 0.0163 last_data_time: 0.0057 lr:
9.99e-05 max_mem: 2458M
[07/21 22:33:02 d2.utils.events]: eta: 1:20:04 iter: 419
total_loss: 1.011 loss_cls: 0.2515 loss_box_reg: 0.5251
loss_rpn_cls: 0.03131 loss_rpn_loc: 0.2063 time: 0.4923
last_time: 0.5151 data_time: 0.0119 last_data_time: 0.0068 lr:
0.0001049 max_mem: 2458M
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[07/21 22:33:12 d2.utils.events]: eta: 1:20:11 iter: 439
total_loss: 0.9533 loss_cls: 0.2313 loss_box_reg: 0.4977
loss_rpn_cls: 0.03624 loss_rpn_loc: 0.1958 time: 0.4932
last_time: 0.4964 data_time: 0.0117 last_data_time: 0.0186 lr:
0.00010989 max_mem: 2458M
[07/21 22:33:22 d2.utils.events]: eta: 1:20:12 iter: 459
total_loss: 0.9558 loss_cls: 0.2263 loss_box_reg: 0.4951
loss_rpn_cls: 0.03203 loss_rpn_loc: 0.2001 time: 0.4944
last_time: 0.5222 data_time: 0.0117 last_data_time: 0.0056 lr:
0.00011489 max_mem: 2458M
[07/21 22:33:33 d2.utils.events]: eta: 1:20:17 iter: 479
total_loss: 0.9897 loss_cls: 0.2355 loss_box_reg: 0.4993
loss_rpn_cls: 0.04018 loss_rpn_loc: 0.1976 time: 0.4953
last_time: 0.5192 data_time: 0.0107 last_data_time: 0.0055 lr:
0.00011988 max_mem: 2458M
[07/21 22:33:43 d2.utils.events]: eta: 1:20:12 iter: 499
total_loss: 0.9654 loss_cls: 0.222 loss_box_reg: 0.4807
loss_rpn_cls: 0.04411 loss_rpn_loc: 0.2034 time: 0.4956
last_time: 0.5439 data_time: 0.0102 last_data_time: 0.0229 lr:
0.00012488 max_mem: 2458M
[07/21 22:33:53 d2.utils.events]: eta: 1:20:05 iter: 519
total_loss: 0.9206 loss_cls: 0.2074 loss_box_reg: 0.4937
loss_rpn_cls: 0.02846 loss_rpn_loc: 0.202 time: 0.4960 last_time:
0.4714 data_time: 0.0117 last_data_time: 0.0063 lr: 0.00012987
max_mem: 2458M
[07/21 22:34:03 d2.utils.events]: eta: 1:20:03 iter: 539
total_loss: 0.9372 loss_cls: 0.2189 loss_box_reg: 0.4801
loss_rpn_cls: 0.02469 loss_rpn_loc: 0.1995 time: 0.4965
last_time: 0.5164 data_time: 0.0134 last_data_time: 0.0076 lr:
0.00013487 max_mem: 2458M
[07/21 22:34:13 d2.utils.events]: eta: 1:19:57 iter: 559
total_loss: 0.9463 loss_cls: 0.2264 loss_box_reg: 0.4926
loss_rpn_cls: 0.04142 loss_rpn_loc: 0.1936 time: 0.4968
last_time: 0.5450 data_time: 0.0124 last_data_time: 0.0185 lr:
0.00013986 max_mem: 2458M
[07/21 22:34:23 d2.utils.events]: eta: 1:19:56 iter: 579
total_loss: 0.9038 loss_cls: 0.2135 loss_box_reg: 0.4903
loss_rpn_cls: 0.02776 loss_rpn_loc: 0.1962 time: 0.4972
last_time: 0.5311 data_time: 0.0089 last_data_time: 0.0103 lr:
0.00014486 max_mem: 2458M
[07/21 22:34:34 d2.utils.events]: eta: 1:19:55 iter: 599
total_loss: 0.8866 loss_cls: 0.2063 loss_box_reg: 0.4891
loss_rpn_cls: 0.02975 loss_rpn_loc: 0.1949 time: 0.4980
last_time: 0.5147 data_time: 0.0106 last_data_time: 0.0058 lr:
0.00014985 max_mem: 2458M
[07/21 22:34:44 d2.utils.events]: eta: 1:19:53 iter: 619
total_loss: 0.8849 loss_cls: 0.221 loss_box_reg: 0.4329
loss_rpn_cls: 0.03433 loss_rpn_loc: 0.203 time: 0.4986 last_time:
0.4480 data_time: 0.0108 last_data_time: 0.0059 lr: 0.00015485
max_mem: 2458M
```

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[07/21 22:34:54 d2.utils.events]: eta: 1:19:43 iter: 639
total_loss: 0.912 loss_cls: 0.1999 loss_box_reg: 0.4436
loss_rpn_cls: 0.02615 loss_rpn_loc: 0.2007 time: 0.4985
last_time: 0.5278 data_time: 0.0082 last_data_time: 0.0063 lr:
0.00015984 max_mem: 2458M
[07/21 22:35:04 d2.utils.events]: eta: 1:19:36 iter: 659
total_loss: 0.8721 loss_cls: 0.2015 loss_box_reg: 0.4401
loss_rpn_cls: 0.02566 loss_rpn_loc: 0.1914 time: 0.4991
last_time: 0.5132 data_time: 0.0117 last_data_time: 0.0072 lr:
0.00016484 max_mem: 2458M
[07/21 22:35:15 d2.utils.events]: eta: 1:19:26 iter: 679
total_loss: 0.9298 loss_cls: 0.2222 loss_box_reg: 0.4685
loss_rpn_cls: 0.03032 loss_rpn_loc: 0.1889 time: 0.4993
last_time: 0.4672 data_time: 0.0139 last_data_time: 0.0059 lr:
0.00016983 max_mem: 2458M
[07/21 22:35:25 d2.utils.events]: eta: 1:19:19 iter: 699
total_loss: 0.911 loss_cls: 0.2007 loss_box_reg: 0.4801
loss_rpn_cls: 0.0296 loss_rpn_loc: 0.1951 time: 0.4998 last_time:
0.5585 data_time: 0.0110 last_data_time: 0.0176 lr: 0.00017483
max_mem: 2458M
[07/21 22:35:36 d2.utils.events]: eta: 1:19:17 iter: 719
total_loss: 0.8968 loss_cls: 0.1913 loss_box_reg: 0.4872
loss_rpn_cls: 0.02449 loss_rpn_loc: 0.2039 time: 0.5007
last_time: 0.5274 data_time: 0.0123 last_data_time: 0.0068 lr:
0.00017982 max_mem: 2458M
[07/21 22:35:46 d2.utils.events]: eta: 1:19:07 iter: 739
total_loss: 0.8987 loss_cls: 0.2119 loss_box_reg: 0.4591
loss_rpn_cls: 0.03809 loss_rpn_loc: 0.1906 time: 0.5009
last_time: 0.5136 data_time: 0.0160 last_data_time: 0.0065 lr:
0.00018482 max_mem: 2458M
[07/21 22:35:56 d2.utils.events]: eta: 1:19:00 iter: 759
total_loss: 0.9492 loss_cls: 0.2087 loss_box_reg: 0.4955
loss_rpn_cls: 0.03435 loss_rpn_loc: 0.2022 time: 0.5010
last_time: 0.5260 data_time: 0.0071 last_data_time: 0.0057 lr:
0.00018981 max_mem: 2458M
[07/21 22:36:06 d2.utils.events]: eta: 1:18:51 iter: 779
total_loss: 0.9307 loss_cls: 0.2056 loss_box_reg: 0.4733
loss_rpn_cls: 0.03253 loss_rpn_loc: 0.2116 time: 0.5011
last_time: 0.4590 data_time: 0.0088 last_data_time: 0.0171 lr:
0.00019481 max_mem: 2458M
[07/21 22:36:16 d2.utils.events]: eta: 1:18:45 iter: 799
total_loss: 0.8654 loss_cls: 0.1983 loss_box_reg: 0.4682
loss_rpn_cls: 0.02943 loss_rpn_loc: 0.1851 time: 0.5016
last_time: 0.5207 data_time: 0.0118 last_data_time: 0.0089 lr:
0.0001998 max_mem: 2458M
[07/21 22:36:27 d2.utils.events]: eta: 1:18:37 iter: 819
total_loss: 0.859 loss_cls: 0.1918 loss_box_reg: 0.445
loss_rpn_cls: 0.02559 loss_rpn_loc: 0.1875 time: 0.5019
last_time: 0.5498 data_time: 0.0147 last_data_time: 0.0335 lr:
0.0002048 max_mem: 2458M
```

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[07/21 22:36:37 d2.utils.events]: eta: 1:18:27 iter: 839
total_loss: 0.8946 loss_cls: 0.1892 loss_box_reg: 0.4618
loss_rpn_cls: 0.03624 loss_rpn_loc: 0.1933 time: 0.5018
last_time: 0.5221 data_time: 0.0070 last_data_time: 0.0055 lr:
0.00020979 max_mem: 2458M
[07/21 22:36:47 d2.utils.events]: eta: 1:18:17 iter: 859
total_loss: 0.8943 loss_cls: 0.2002 loss_box_reg: 0.4428
loss_rpn_cls: 0.03519 loss_rpn_loc: 0.2023 time: 0.5019
last_time: 0.4826 data_time: 0.0146 last_data_time: 0.0070 lr:
0.00021479 max_mem: 2458M
[07/21 22:36:57 d2.utils.events]: eta: 1:18:09 iter: 879
total_loss: 0.855 loss_cls: 0.1937 loss_box_reg: 0.4606
loss_rpn_cls: 0.03199 loss_rpn_loc: 0.1878 time: 0.5022
last_time: 0.5541 data_time: 0.0152 last_data_time: 0.0240 lr:
0.00021978 max_mem: 2458M
[07/21 22:37:07 d2.utils.events]: eta: 1:18:02 iter: 899
total_loss: 0.8511 loss_cls: 0.1909 loss_box_reg: 0.4485
loss_rpn_cls: 0.03447 loss_rpn_loc: 0.1841 time: 0.5024
last_time: 0.5303 data_time: 0.0121 last_data_time: 0.0147 lr:
0.00022478 max_mem: 2458M
[07/21 22:37:18 d2.utils.events]: eta: 1:17:53 iter: 919
total_loss: 0.828 loss_cls: 0.176 loss_box_reg: 0.4531
loss_rpn_cls: 0.02516 loss_rpn_loc: 0.1947 time: 0.5026
last_time: 0.4514 data_time: 0.0079 last_data_time: 0.0082 lr:
0.00022977 max_mem: 2458M
[07/21 22:37:28 d2.utils.events]: eta: 1:17:46 iter: 939
total_loss: 0.8493 loss_cls: 0.181 loss_box_reg: 0.4703
loss_rpn_cls: 0.02804 loss_rpn_loc: 0.19 time: 0.5028 last_time:
0.5179 data_time: 0.0144 last_data_time: 0.0079 lr: 0.00023477
max_mem: 2458M
[07/21 22:37:38 d2.utils.events]: eta: 1:17:38 iter: 959
total_loss: 0.8925 loss_cls: 0.2027 loss_box_reg: 0.464
loss_rpn_cls: 0.02989 loss_rpn_loc: 0.2071 time: 0.5031
last_time: 0.5503 data_time: 0.0109 last_data_time: 0.0131 lr:
0.00023976 max_mem: 2458M
[07/21 22:37:49 d2.utils.events]: eta: 1:17:31 iter: 979
total_loss: 0.8376 loss_cls: 0.1759 loss_box_reg: 0.4512
loss_rpn_cls: 0.03147 loss_rpn_loc: 0.2002 time: 0.5037
last_time: 0.5127 data_time: 0.0121 last_data_time: 0.0054 lr:
0.00024476 max_mem: 2458M
[07/21 22:37:59 d2.utils.events]: eta: 1:17:21 iter: 999
total_loss: 0.8677 loss_cls: 0.1803 loss_box_reg: 0.4436
loss_rpn_cls: 0.02854 loss_rpn_loc: 0.1931 time: 0.5036
last_time: 0.4509 data_time: 0.0099 last_data_time: 0.0076 lr:
0.00024975 max_mem: 2458M
[07/21 22:38:09 d2.utils.events]: eta: 1:17:14 iter: 1019
total_loss: 0.8464 loss_cls: 0.1745 loss_box_reg: 0.4595
loss_rpn_cls: 0.02845 loss_rpn_loc: 0.1901 time: 0.5036
last_time: 0.5648 data_time: 0.0111 last_data_time: 0.0347 lr:
0.00025 max_mem: 2458M
```



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[07/21 22:38:19 d2.utils.events]: eta: 1:17:07 iter: 1039
total_loss: 0.856 loss_cls: 0.1767 loss_box_reg: 0.4324
loss_rpn_cls: 0.03682 loss_rpn_loc: 0.1934 time: 0.5037
last_time: 0.5204 data_time: 0.0074 last_data_time: 0.0060 lr:
0.00025 max_mem: 2458M
[07/21 22:38:30 d2.utils.events]: eta: 1:17:01 iter: 1059
total_loss: 0.8565 loss_cls: 0.1818 loss_box_reg: 0.4484
loss_rpn_cls: 0.02621 loss_rpn_loc: 0.1787 time: 0.5039
last_time: 0.5114 data_time: 0.0119 last_data_time: 0.0061 lr:
0.00025 max_mem: 2458M
[07/21 22:38:40 d2.utils.events]: eta: 1:16:54 iter: 1079
total_loss: 0.8238 loss_cls: 0.1723 loss_box_reg: 0.4394
loss_rpn_cls: 0.02353 loss_rpn_loc: 0.1926 time: 0.5041
last_time: 0.5584 data_time: 0.0127 last_data_time: 0.0242 lr:
0.00025 max_mem: 2458M
[07/21 22:38:50 d2.utils.events]: eta: 1:16:45 iter: 1099
total_loss: 0.8588 loss_cls: 0.1751 loss_box_reg: 0.4626
loss_rpn_cls: 0.02417 loss_rpn_loc: 0.1822 time: 0.5039
last_time: 0.4308 data_time: 0.0108 last_data_time: 0.0222 lr:
0.00025 max_mem: 2458M
[07/21 22:39:00 d2.utils.events]: eta: 1:16:38 iter: 1119
total_loss: 0.8049 loss_cls: 0.1751 loss_box_reg: 0.4385
loss_rpn_cls: 0.02631 loss_rpn_loc: 0.1781 time: 0.5041
last_time: 0.5145 data_time: 0.0127 last_data_time: 0.0063 lr:
0.00025 max_mem: 2458M
[07/21 22:39:10 d2.utils.events]: eta: 1:16:30 iter: 1139
total_loss: 0.8873 loss_cls: 0.1833 loss_box_reg: 0.453
loss_rpn_cls: 0.02888 loss_rpn_loc: 0.2105 time: 0.5043
last_time: 0.5317 data_time: 0.0121 last_data_time: 0.0102 lr:
0.00025 max_mem: 2458M
[07/21 22:39:20 d2.utils.events]: eta: 1:16:22 iter: 1159
total_loss: 0.8299 loss_cls: 0.1703 loss_box_reg: 0.4384
loss_rpn_cls: 0.02613 loss_rpn_loc: 0.1918 time: 0.5043
last_time: 0.5272 data_time: 0.0075 last_data_time: 0.0125 lr:
0.00025 max_mem: 2458M
[07/21 22:39:31 d2.utils.events]: eta: 1:16:15 iter: 1179
total_loss: 0.7922 loss_cls: 0.1624 loss_box_reg: 0.4351
loss_rpn_cls: 0.02096 loss_rpn_loc: 0.1822 time: 0.5045
last_time: 0.5261 data_time: 0.0130 last_data_time: 0.0141 lr:
0.00025 max_mem: 2458M
[07/21 22:39:41 d2.utils.events]: eta: 1:16:06 iter: 1199
total_loss: 0.8048 loss_cls: 0.1611 loss_box_reg: 0.4307
loss_rpn_cls: 0.0294 loss_rpn_loc: 0.1816 time: 0.5046 last_time:
0.5123 data_time: 0.0153 last_data_time: 0.0075 lr: 0.00025
max_mem: 2458M
[07/21 22:39:51 d2.utils.events]: eta: 1:15:55 iter: 1219
total_loss: 0.8384 loss_cls: 0.1635 loss_box_reg: 0.4384
loss_rpn_cls: 0.02905 loss_rpn_loc: 0.1756 time: 0.5047
last_time: 0.4903 data_time: 0.0081 last_data_time: 0.0240 lr:
0.00025 max_mem: 2458M
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[07/21 22:40:02 d2.utils.events]: eta: 1:15:48 iter: 1239
total_loss: 0.7836 loss_cls: 0.161 loss_box_reg: 0.4183
loss_rpn_cls: 0.02578 loss_rpn_loc: 0.1804 time: 0.5050
last_time: 0.4761 data_time: 0.0111 last_data_time: 0.0075 lr:
0.00025 max_mem: 2458M
[07/21 22:40:12 d2.utils.events]: eta: 1:15:38 iter: 1259
total_loss: 0.805 loss_cls: 0.1626 loss_box_reg: 0.4446
loss_rpn_cls: 0.03216 loss_rpn_loc: 0.1851 time: 0.5051
last_time: 0.4820 data_time: 0.0126 last_data_time: 0.0286 lr:
0.00025 max_mem: 2458M
[07/21 22:40:22 d2.utils.events]: eta: 1:15:28 iter: 1279
total_loss: 0.7901 loss_cls: 0.166 loss_box_reg: 0.4273
loss_rpn_cls: 0.03176 loss_rpn_loc: 0.1736 time: 0.5051
last_time: 0.5213 data_time: 0.0080 last_data_time: 0.0056 lr:
0.00025 max_mem: 2458M
[07/21 22:40:32 d2.utils.events]: eta: 1:15:18 iter: 1299
total_loss: 0.8321 loss_cls: 0.1704 loss_box_reg: 0.4151
loss_rpn_cls: 0.02001 loss_rpn_loc: 0.1843 time: 0.5053
last_time: 0.5220 data_time: 0.0149 last_data_time: 0.0074 lr:
0.00025 max_mem: 2458M
[07/21 22:40:43 d2.utils.events]: eta: 1:15:07 iter: 1319
total_loss: 0.7874 loss_cls: 0.1585 loss_box_reg: 0.4228
loss_rpn_cls: 0.02071 loss_rpn_loc: 0.1791 time: 0.5054
last_time: 0.5159 data_time: 0.0125 last_data_time: 0.0083 lr:
0.00025 max_mem: 2458M
[07/21 22:40:53 d2.utils.events]: eta: 1:14:53 iter: 1339
total_loss: 0.7908 loss_cls: 0.1572 loss_box_reg: 0.4075
loss_rpn_cls: 0.02369 loss_rpn_loc: 0.1847 time: 0.5053
last_time: 0.5350 data_time: 0.0082 last_data_time: 0.0175 lr:
0.00025 max_mem: 2458M
[07/21 22:41:03 d2.utils.events]: eta: 1:14:46 iter: 1359
total_loss: 0.77 loss_cls: 0.1518 loss_box_reg: 0.3887
loss_rpn_cls: 0.02169 loss_rpn_loc: 0.1758 time: 0.5057
last_time: 0.5250 data_time: 0.0142 last_data_time: 0.0185 lr:
0.00025 max_mem: 2458M
[07/21 22:41:14 d2.utils.events]: eta: 1:14:36 iter: 1379
total_loss: 0.7915 loss_cls: 0.1659 loss_box_reg: 0.4188
loss_rpn_cls: 0.02721 loss_rpn_loc: 0.1882 time: 0.5058
last_time: 0.5138 data_time: 0.0176 last_data_time: 0.0090 lr:
0.00025 max_mem: 2458M
[07/21 22:41:24 d2.utils.events]: eta: 1:14:26 iter: 1399
total_loss: 0.845 loss_cls: 0.1589 loss_box_reg: 0.4009
loss_rpn_cls: 0.02588 loss_rpn_loc: 0.1839 time: 0.5058
last_time: 0.4980 data_time: 0.0137 last_data_time: 0.0291 lr:
0.00025 max_mem: 2458M
[07/21 22:41:34 d2.utils.events]: eta: 1:14:16 iter: 1419
total_loss: 0.8012 loss_cls: 0.1588 loss_box_reg: 0.4284
loss_rpn_cls: 0.02304 loss_rpn_loc: 0.1858 time: 0.5057
last_time: 0.5146 data_time: 0.0113 last_data_time: 0.0061 lr:
0.00025 max_mem: 2458M
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[07/21 22:41:44 d2.utils.events]: eta: 1:14:05 iter: 1439
total_loss: 0.7622 loss_cls: 0.1635 loss_box_reg: 0.4067
loss_rpn_cls: 0.02172 loss_rpn_loc: 0.1667 time: 0.5056
last_time: 0.4659 data_time: 0.0177 last_data_time: 0.0086 lr:
0.00025 max_mem: 2458M
[07/21 22:41:54 d2.utils.events]: eta: 1:13:55 iter: 1459
total_loss: 0.7969 loss_cls: 0.1595 loss_box_reg: 0.4408
loss_rpn_cls: 0.02774 loss_rpn_loc: 0.176 time: 0.5058 last_time:
0.5309 data_time: 0.0092 last_data_time: 0.0070 lr: 0.00025
max_mem: 2458M
[07/21 22:42:05 d2.utils.events]: eta: 1:13:43 iter: 1479
total_loss: 0.7765 loss_cls: 0.1546 loss_box_reg: 0.4203
loss_rpn_cls: 0.02039 loss_rpn_loc: 0.1678 time: 0.5060
last_time: 0.5394 data_time: 0.0110 last_data_time: 0.0238 lr:
0.00025 max_mem: 2458M
[07/21 22:42:15 d2.utils.events]: eta: 1:13:33 iter: 1499
total_loss: 0.8042 loss_cls: 0.1522 loss_box_reg: 0.4353
loss_rpn_cls: 0.03379 loss_rpn_loc: 0.1935 time: 0.5062
last_time: 0.5172 data_time: 0.0138 last_data_time: 0.0058 lr:
0.00025 max_mem: 2458M
[07/21 22:42:25 d2.utils.events]: eta: 1:13:24 iter: 1519
total_loss: 0.7864 loss_cls: 0.1568 loss_box_reg: 0.4303
loss_rpn_cls: 0.02193 loss_rpn_loc: 0.1655 time: 0.5062
last_time: 0.5321 data_time: 0.0106 last_data_time: 0.0081 lr:
0.00025 max_mem: 2458M
[07/21 22:42:35 d2.utils.events]: eta: 1:13:14 iter: 1539
total_loss: 0.7496 loss_cls: 0.1558 loss_box_reg: 0.3854
loss_rpn_cls: 0.02346 loss_rpn_loc: 0.1711 time: 0.5063
last_time: 0.5307 data_time: 0.0102 last_data_time: 0.0109 lr:
0.00025 max_mem: 2458M
[07/21 22:42:46 d2.utils.events]: eta: 1:13:03 iter: 1559
total_loss: 0.8193 loss_cls: 0.1591 loss_box_reg: 0.4504
loss_rpn_cls: 0.03151 loss_rpn_loc: 0.1731 time: 0.5063
last_time: 0.5159 data_time: 0.0125 last_data_time: 0.0063 lr:
0.00025 max_mem: 2458M
[07/21 22:42:56 d2.utils.events]: eta: 1:12:53 iter: 1579
total_loss: 0.7726 loss_cls: 0.1518 loss_box_reg: 0.4107
loss_rpn_cls: 0.02527 loss_rpn_loc: 0.1759 time: 0.5064
last_time: 0.5239 data_time: 0.0106 last_data_time: 0.0066 lr:
0.00025 max_mem: 2458M
[07/21 22:43:06 d2.utils.events]: eta: 1:12:42 iter: 1599
total_loss: 0.7828 loss_cls: 0.1531 loss_box_reg: 0.4326
loss_rpn_cls: 0.03043 loss_rpn_loc: 0.1813 time: 0.5064
last_time: 0.5376 data_time: 0.0103 last_data_time: 0.0190 lr:
0.00025 max_mem: 2458M
[07/21 22:43:16 d2.utils.events]: eta: 1:12:32 iter: 1619
total_loss: 0.7456 loss_cls: 0.1456 loss_box_reg: 0.3939
loss_rpn_cls: 0.02515 loss_rpn_loc: 0.1804 time: 0.5064
last_time: 0.5160 data_time: 0.0096 last_data_time: 0.0063 lr:
0.00025 max_mem: 2458M
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[07/21 22:43:26 d2.utils.events]: eta: 1:12:21 iter: 1639
total_loss: 0.7828 loss_cls: 0.1498 loss_box_reg: 0.4248
loss_rpn_cls: 0.0202 loss_rpn_loc: 0.1764 time: 0.5065 last_time:
0.5184 data_time: 0.0129 last_data_time: 0.0055 lr: 0.00025
max_mem: 2458M
[07/21 22:43:37 d2.utils.events]: eta: 1:12:10 iter: 1659
total_loss: 0.7342 loss_cls: 0.148 loss_box_reg: 0.4094
loss_rpn_cls: 0.02807 loss_rpn_loc: 0.1705 time: 0.5066
last_time: 0.5071 data_time: 0.0105 last_data_time: 0.0298 lr:
0.00025 max_mem: 2458M
[07/21 22:43:47 d2.utils.events]: eta: 1:12:00 iter: 1679
total_loss: 0.7282 loss_cls: 0.1482 loss_box_reg: 0.4004
loss_rpn_cls: 0.02512 loss_rpn_loc: 0.1731 time: 0.5066
last_time: 0.5112 data_time: 0.0094 last_data_time: 0.0056 lr:
0.00025 max_mem: 2458M
[07/21 22:43:57 d2.utils.events]: eta: 1:11:50 iter: 1699
total_loss: 0.7624 loss_cls: 0.1491 loss_box_reg: 0.4102
loss_rpn_cls: 0.03378 loss_rpn_loc: 0.1666 time: 0.5066
last_time: 0.5264 data_time: 0.0150 last_data_time: 0.0088 lr:
0.00025 max_mem: 2458M
[07/21 22:44:07 d2.utils.events]: eta: 1:11:38 iter: 1719
total_loss: 0.7631 loss_cls: 0.1449 loss_box_reg: 0.4035
loss_rpn_cls: 0.02209 loss_rpn_loc: 0.1787 time: 0.5067
last_time: 0.4753 data_time: 0.0133 last_data_time: 0.0057 lr:
0.00025 max_mem: 2458M
[07/21 22:44:18 d2.utils.events]: eta: 1:11:28 iter: 1739
total_loss: 0.7449 loss_cls: 0.1461 loss_box_reg: 0.3817
loss_rpn_cls: 0.02717 loss_rpn_loc: 0.1715 time: 0.5068
last_time: 0.5427 data_time: 0.0121 last_data_time: 0.0142 lr:
0.00025 max_mem: 2458M
[07/21 22:44:28 d2.utils.events]: eta: 1:11:16 iter: 1759
total_loss: 0.7999 loss_cls: 0.1596 loss_box_reg: 0.4245
loss_rpn_cls: 0.03574 loss_rpn_loc: 0.1718 time: 0.5068
last_time: 0.5173 data_time: 0.0131 last_data_time: 0.0074 lr:
0.00025 max_mem: 2458M
[07/21 22:44:38 d2.utils.events]: eta: 1:11:05 iter: 1779
total_loss: 0.7618 loss_cls: 0.1392 loss_box_reg: 0.4051
loss_rpn_cls: 0.02153 loss_rpn_loc: 0.172 time: 0.5068 last_time:
0.5145 data_time: 0.0153 last_data_time: 0.0058 lr: 0.00025
max_mem: 2458M
[07/21 22:44:48 d2.utils.events]: eta: 1:10:53 iter: 1799
total_loss: 0.7549 loss_cls: 0.1478 loss_box_reg: 0.3993
loss_rpn_cls: 0.02156 loss_rpn_loc: 0.1615 time: 0.5066
last_time: 0.4414 data_time: 0.0105 last_data_time: 0.0264 lr:
0.00025 max_mem: 2458M
[07/21 22:44:58 d2.utils.events]: eta: 1:10:41 iter: 1819
total_loss: 0.7541 loss_cls: 0.155 loss_box_reg: 0.4188
loss_rpn_cls: 0.02307 loss_rpn_loc: 0.1721 time: 0.5066
last_time: 0.5228 data_time: 0.0083 last_data_time: 0.0068 lr:
0.00025 max_mem: 2458M
```

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[07/21 22:45:08 d2.utils.events]: eta: 1:10:30 iter: 1839
total_loss: 0.7341 loss_cls: 0.1435 loss_box_reg: 0.4257
loss_rpn_cls: 0.02159 loss_rpn_loc: 0.1617 time: 0.5065
last_time: 0.5196 data_time: 0.0117 last_data_time: 0.0073 lr:
0.00025 max_mem: 2458M
[07/21 22:45:18 d2.utils.events]: eta: 1:10:20 iter: 1859
total_loss: 0.7787 loss_cls: 0.1468 loss_box_reg: 0.4136
loss_rpn_cls: 0.0231 loss_rpn_loc: 0.1796 time: 0.5066 last_time:
0.5362 data_time: 0.0089 last_data_time: 0.0276 lr: 0.00025
max_mem: 2458M
[07/21 22:45:28 d2.utils.events]: eta: 1:10:08 iter: 1879
total_loss: 0.7322 loss_cls: 0.1328 loss_box_reg: 0.388
loss_rpn_cls: 0.02685 loss_rpn_loc: 0.1637 time: 0.5065
last_time: 0.5179 data_time: 0.0087 last_data_time: 0.0057 lr:
0.00025 max_mem: 2458M
[07/21 22:45:39 d2.utils.events]: eta: 1:09:56 iter: 1899
total_loss: 0.7402 loss_cls: 0.1405 loss_box_reg: 0.3776
loss_rpn_cls: 0.02978 loss_rpn_loc: 0.1697 time: 0.5066
last_time: 0.5220 data_time: 0.0132 last_data_time: 0.0079 lr:
0.00025 max_mem: 2458M
[07/21 22:45:49 d2.utils.events]: eta: 1:09:47 iter: 1919
total_loss: 0.6947 loss_cls: 0.1344 loss_box_reg: 0.3836
loss_rpn_cls: 0.025 loss_rpn_loc: 0.1626 time: 0.5068 last_time:
0.5246 data_time: 0.0150 last_data_time: 0.0098 lr: 0.00025
max_mem: 2458M
[07/21 22:45:59 d2.utils.events]: eta: 1:09:36 iter: 1939
total_loss: 0.7708 loss_cls: 0.148 loss_box_reg: 0.4239
loss_rpn_cls: 0.02385 loss_rpn_loc: 0.1581 time: 0.5069
last_time: 0.5347 data_time: 0.0098 last_data_time: 0.0193 lr:
0.00025 max_mem: 2458M
[07/21 22:46:10 d2.utils.events]: eta: 1:09:25 iter: 1959
total_loss: 0.751 loss_cls: 0.1443 loss_box_reg: 0.397
loss_rpn_cls: 0.0214 loss_rpn_loc: 0.1802 time: 0.5070 last_time:
0.5199 data_time: 0.0127 last_data_time: 0.0074 lr: 0.00025
max_mem: 2458M
[07/21 22:46:20 d2.utils.events]: eta: 1:09:14 iter: 1979
total_loss: 0.7642 loss_cls: 0.1378 loss_box_reg: 0.4197
loss_rpn_cls: 0.02025 loss_rpn_loc: 0.1611 time: 0.5070
last_time: 0.5250 data_time: 0.0140 last_data_time: 0.0061 lr:
0.00025 max_mem: 2458M
[07/21 22:46:30 d2.utils.events]: eta: 1:09:04 iter: 1999
total_loss: 0.7241 loss_cls: 0.1425 loss_box_reg: 0.4014
loss_rpn_cls: 0.02313 loss_rpn_loc: 0.1755 time: 0.5070
last_time: 0.4803 data_time: 0.0153 last_data_time: 0.0067 lr:
0.00025 max_mem: 2458M
[07/21 22:46:40 d2.utils.events]: eta: 1:08:53 iter: 2019
total_loss: 0.7408 loss_cls: 0.1353 loss_box_reg: 0.3942
loss_rpn_cls: 0.02272 loss_rpn_loc: 0.172 time: 0.5071 last_time:
0.5192 data_time: 0.0090 last_data_time: 0.0091 lr: 0.00025
max_mem: 2458M
```

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[07/21 22:46:51 d2.utils.events]: eta: 1:08:43 iter: 2039
total_loss: 0.7325 loss_cls: 0.1443 loss_box_reg: 0.4019
loss_rpn_cls: 0.01592 loss_rpn_loc: 0.1647 time: 0.5071
last_time: 0.4732 data_time: 0.0128 last_data_time: 0.0079 lr:
0.00025 max_mem: 2458M
[07/21 22:47:01 d2.utils.events]: eta: 1:08:33 iter: 2059
total_loss: 0.7803 loss_cls: 0.1399 loss_box_reg: 0.397
loss_rpn_cls: 0.02102 loss_rpn_loc: 0.1655 time: 0.5071
last_time: 0.5299 data_time: 0.0125 last_data_time: 0.0210 lr:
0.00025 max_mem: 2458M
[07/21 22:47:11 d2.utils.events]: eta: 1:08:22 iter: 2079
total_loss: 0.7391 loss_cls: 0.1394 loss_box_reg: 0.3976
loss_rpn_cls: 0.01946 loss_rpn_loc: 0.1746 time: 0.5070
last_time: 0.4732 data_time: 0.0096 last_data_time: 0.0303 lr:
0.00025 max_mem: 2458M
[07/21 22:47:21 d2.utils.events]: eta: 1:08:12 iter: 2099
total_loss: 0.7208 loss_cls: 0.1357 loss_box_reg: 0.3975
loss_rpn_cls: 0.02387 loss_rpn_loc: 0.1642 time: 0.5071
last_time: 0.5070 data_time: 0.0131 last_data_time: 0.0059 lr:
0.00025 max_mem: 2458M
[07/21 22:47:31 d2.utils.events]: eta: 1:08:02 iter: 2119
total_loss: 0.7369 loss_cls: 0.1323 loss_box_reg: 0.394
loss_rpn_cls: 0.02481 loss_rpn_loc: 0.1615 time: 0.5071
last_time: 0.4102 data_time: 0.0151 last_data_time: 0.0070 lr:
0.00025 max_mem: 2458M
[07/21 22:47:41 d2.utils.events]: eta: 1:07:51 iter: 2139
total_loss: 0.7454 loss_cls: 0.1399 loss_box_reg: 0.408
loss_rpn_cls: 0.0211 loss_rpn_loc: 0.1632 time: 0.5071 last_time:
0.4750 data_time: 0.0116 last_data_time: 0.0227 lr: 0.00025
max_mem: 2458M
[07/21 22:47:51 d2.utils.events]: eta: 1:07:40 iter: 2159
total_loss: 0.6866 loss_cls: 0.1335 loss_box_reg: 0.3873
loss_rpn_cls: 0.02137 loss_rpn_loc: 0.1595 time: 0.5071
last_time: 0.5159 data_time: 0.0091 last_data_time: 0.0073 lr:
0.00025 max_mem: 2458M
[07/21 22:48:02 d2.utils.events]: eta: 1:07:30 iter: 2179
total_loss: 0.7046 loss_cls: 0.1333 loss_box_reg: 0.3926
loss_rpn_cls: 0.02746 loss_rpn_loc: 0.1574 time: 0.5071
last_time: 0.4668 data_time: 0.0131 last_data_time: 0.0050 lr:
0.00025 max_mem: 2458M
[07/21 22:48:12 d2.utils.events]: eta: 1:07:20 iter: 2199
total_loss: 0.6948 loss_cls: 0.1352 loss_box_reg: 0.3845
loss_rpn_cls: 0.01683 loss_rpn_loc: 0.1538 time: 0.5072
last_time: 0.5208 data_time: 0.0128 last_data_time: 0.0085 lr:
0.00025 max_mem: 2458M
[07/21 22:48:22 d2.utils.events]: eta: 1:07:10 iter: 2219
total_loss: 0.689 loss_cls: 0.1414 loss_box_reg: 0.3812
loss_rpn_cls: 0.01943 loss_rpn_loc: 0.1622 time: 0.5073
last_time: 0.5350 data_time: 0.0090 last_data_time: 0.0241 lr:
0.00025 max_mem: 2458M
```

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[07/21 22:48:33 d2.utils.events]: eta: 1:06:58 iter: 2239
total_loss: 0.7201 loss_cls: 0.1332 loss_box_reg: 0.381
loss_rpn_cls: 0.02089 loss_rpn_loc: 0.1599 time: 0.5073
last_time: 0.5129 data_time: 0.0126 last_data_time: 0.0056 lr:
0.00025 max_mem: 2458M
[07/21 22:48:43 d2.utils.events]: eta: 1:06:48 iter: 2259
total_loss: 0.7093 loss_cls: 0.1317 loss_box_reg: 0.4025
loss_rpn_cls: 0.02717 loss_rpn_loc: 0.1584 time: 0.5075
last_time: 0.4470 data_time: 0.0205 last_data_time: 0.0058 lr:
0.00025 max_mem: 2458M
[07/21 22:48:53 d2.utils.events]: eta: 1:06:37 iter: 2279
total_loss: 0.7314 loss_cls: 0.1376 loss_box_reg: 0.4098
loss_rpn_cls: 0.01797 loss_rpn_loc: 0.1694 time: 0.5075
last_time: 0.5401 data_time: 0.0111 last_data_time: 0.0259 lr:
0.00025 max_mem: 2458M
[07/21 22:49:03 d2.utils.events]: eta: 1:06:27 iter: 2299
total_loss: 0.7213 loss_cls: 0.1309 loss_box_reg: 0.4153
loss_rpn_cls: 0.02834 loss_rpn_loc: 0.163 time: 0.5075 last_time:
0.5255 data_time: 0.0104 last_data_time: 0.0075 lr: 0.00025
max_mem: 2458M
[07/21 22:49:14 d2.utils.events]: eta: 1:06:17 iter: 2319
total_loss: 0.6421 loss_cls: 0.1156 loss_box_reg: 0.3572
loss_rpn_cls: 0.02321 loss_rpn_loc: 0.1514 time: 0.5075
last_time: 0.4734 data_time: 0.0133 last_data_time: 0.0060 lr:
0.00025 max_mem: 2458M
[07/21 22:49:24 d2.utils.events]: eta: 1:06:07 iter: 2339
total_loss: 0.7324 loss_cls: 0.1361 loss_box_reg: 0.3966
loss_rpn_cls: 0.02579 loss_rpn_loc: 0.1583 time: 0.5076
last_time: 0.5161 data_time: 0.0114 last_data_time: 0.0056 lr:
0.00025 max_mem: 2458M
[07/21 22:49:34 d2.utils.events]: eta: 1:05:56 iter: 2359
total_loss: 0.7431 loss_cls: 0.143 loss_box_reg: 0.4029
loss_rpn_cls: 0.02603 loss_rpn_loc: 0.1728 time: 0.5075
last_time: 0.5098 data_time: 0.0072 last_data_time: 0.0058 lr:
0.00025 max_mem: 2458M
[07/21 22:49:44 d2.utils.events]: eta: 1:05:45 iter: 2379
total_loss: 0.7227 loss_cls: 0.1314 loss_box_reg: 0.4058
loss_rpn_cls: 0.02072 loss_rpn_loc: 0.1514 time: 0.5075
last_time: 0.5205 data_time: 0.0093 last_data_time: 0.0194 lr:
0.00025 max_mem: 2458M
[07/21 22:49:54 d2.utils.events]: eta: 1:05:34 iter: 2399
total_loss: 0.6688 loss_cls: 0.1292 loss_box_reg: 0.3637
loss_rpn_cls: 0.0233 loss_rpn_loc: 0.1559 time: 0.5075 last_time:
0.5206 data_time: 0.0146 last_data_time: 0.0059 lr: 0.00025
max_mem: 2458M
[07/21 22:50:04 d2.utils.events]: eta: 1:05:24 iter: 2419
total_loss: 0.728 loss_cls: 0.1354 loss_box_reg: 0.4058
loss_rpn_cls: 0.01895 loss_rpn_loc: 0.1706 time: 0.5075
last_time: 0.5021 data_time: 0.0066 last_data_time: 0.0079 lr:
```

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0.00025 max_mem: 2458M
[07/21 22:50:15 d2.utils.events]: eta: 1:05:14 iter: 2439
total_loss: 0.6843 loss_cls: 0.1284 loss_box_reg: 0.3846
loss_rpn_cls: 0.01692 loss_rpn_loc: 0.1453 time: 0.5075
last_time: 0.5260 data_time: 0.0083 last_data_time: 0.0091 lr:
0.00025 max_mem: 2458M
[07/21 22:50:25 d2.utils.events]: eta: 1:05:03 iter: 2459
total_loss: 0.6768 loss_cls: 0.1219 loss_box_reg: 0.3942
loss_rpn_cls: 0.01989 loss_rpn_loc: 0.1536 time: 0.5076
last_time: 0.5214 data_time: 0.0132 last_data_time: 0.0071 lr:
0.00025 max_mem: 2458M
[07/21 22:50:35 d2.utils.events]: eta: 1:04:52 iter: 2479
total_loss: 0.6796 loss_cls: 0.1247 loss_box_reg: 0.3882
loss_rpn_cls: 0.01547 loss_rpn_loc: 0.1423 time: 0.5076
last_time: 0.4751 data_time: 0.0078 last_data_time: 0.0059 lr:
0.00025 max_mem: 2458M
[07/21 22:50:45 d2.utils.events]: eta: 1:04:41 iter: 2499
total_loss: 0.7218 loss_cls: 0.1223 loss_box_reg: 0.4064
loss_rpn_cls: 0.02122 loss_rpn_loc: 0.165 time: 0.5076 last_time:
0.5004 data_time: 0.0120 last_data_time: 0.0263 lr: 0.00025
max_mem: 2458M
[07/21 22:50:55 d2.utils.events]: eta: 1:04:31 iter: 2519
total_loss: 0.6999 loss_cls: 0.1267 loss_box_reg: 0.4009
loss_rpn_cls: 0.01905 loss_rpn_loc: 0.1581 time: 0.5075
last_time: 0.4123 data_time: 0.0165 last_data_time: 0.0087 lr:
0.00025 max_mem: 2458M
[07/21 22:51:06 d2.utils.events]: eta: 1:04:20 iter: 2539
total_loss: 0.6741 loss_cls: 0.1248 loss_box_reg: 0.3767
loss_rpn_cls: 0.02345 loss_rpn_loc: 0.1489 time: 0.5076
last_time: 0.4510 data_time: 0.0150 last_data_time: 0.0308 lr:
0.00025 max_mem: 2458M
[07/21 22:51:16 d2.utils.events]: eta: 1:04:10 iter: 2559
total_loss: 0.6973 loss_cls: 0.1246 loss_box_reg: 0.3817
loss_rpn_cls: 0.0232 loss_rpn_loc: 0.1498 time: 0.5076 last_time:
0.5199 data_time: 0.0079 last_data_time: 0.0056 lr: 0.00025
max_mem: 2458M
[07/21 22:51:26 d2.utils.events]: eta: 1:03:59 iter: 2579
total_loss: 0.6817 loss_cls: 0.1267 loss_box_reg: 0.3957
loss_rpn_cls: 0.02564 loss_rpn_loc: 0.1464 time: 0.5077
last_time: 0.5177 data_time: 0.0138 last_data_time: 0.0067 lr:
0.00025 max_mem: 2458M
[07/21 22:51:36 d2.utils.events]: eta: 1:03:49 iter: 2599
total_loss: 0.6783 loss_cls: 0.1165 loss_box_reg: 0.3838
loss_rpn_cls: 0.01911 loss_rpn_loc: 0.1607 time: 0.5077
last_time: 0.5285 data_time: 0.0133 last_data_time: 0.0082 lr:
0.00025 max_mem: 2458M
[07/21 22:51:47 d2.utils.events]: eta: 1:03:39 iter: 2619
total_loss: 0.7049 loss_cls: 0.1264 loss_box_reg: 0.3975
loss_rpn_cls: 0.01989 loss_rpn_loc: 0.1496 time: 0.5077
```



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last_time: 0.4753 data_time: 0.0089 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
[07/21 22:51:57 d2.utils.events]: eta: 1:03:28 iter: 2639
total_loss: 0.6627 loss_cls: 0.1188 loss_box_reg: 0.3551
loss_rpn_cls: 0.0224 loss_rpn_loc: 0.1498 time: 0.5077 last_time:
0.5133 data_time: 0.0080 last_data_time: 0.0061 lr: 0.00025
max_mem: 2458M
[07/21 22:52:07 d2.utils.events]: eta: 1:03:18 iter: 2659
total_loss: 0.6884 loss_cls: 0.1374 loss_box_reg: 0.4004
loss_rpn_cls: 0.01522 loss_rpn_loc: 0.1499 time: 0.5076
last_time: 0.5277 data_time: 0.0098 last_data_time: 0.0067 lr:
0.00025 max_mem: 2458M
[07/21 22:52:17 d2.utils.events]: eta: 1:03:09 iter: 2679
total_loss: 0.6913 loss_cls: 0.1177 loss_box_reg: 0.3749
loss_rpn_cls: 0.01816 loss_rpn_loc: 0.1504 time: 0.5077
last_time: 0.4979 data_time: 0.0107 last_data_time: 0.0280 lr:
0.00025 max_mem: 2458M
[07/21 22:52:27 d2.utils.events]: eta: 1:02:58 iter: 2699
total_loss: 0.6746 loss_cls: 0.1118 loss_box_reg: 0.3833
loss_rpn_cls: 0.01464 loss_rpn_loc: 0.1484 time: 0.5077
last_time: 0.5229 data_time: 0.0107 last_data_time: 0.0173 lr:
0.00025 max_mem: 2458M
[07/21 22:52:38 d2.utils.events]: eta: 1:02:47 iter: 2719
total_loss: 0.684 loss_cls: 0.1144 loss_box_reg: 0.3908
loss_rpn_cls: 0.02132 loss_rpn_loc: 0.1414 time: 0.5077
last_time: 0.5184 data_time: 0.0168 last_data_time: 0.0087 lr:
0.00025 max_mem: 2458M
[07/21 22:52:47 d2.utils.events]: eta: 1:02:37 iter: 2739
total_loss: 0.6866 loss_cls: 0.1265 loss_box_reg: 0.393
loss_rpn_cls: 0.02098 loss_rpn_loc: 0.1518 time: 0.5076
last_time: 0.4804 data_time: 0.0082 last_data_time: 0.0060 lr:
0.00025 max_mem: 2458M
[07/21 22:52:58 d2.utils.events]: eta: 1:02:27 iter: 2759
total_loss: 0.6609 loss_cls: 0.1224 loss_box_reg: 0.3793
loss_rpn_cls: 0.01558 loss_rpn_loc: 0.1333 time: 0.5076
last_time: 0.5321 data_time: 0.0121 last_data_time: 0.0073 lr:
0.00025 max_mem: 2458M
[07/21 22:53:08 d2.utils.events]: eta: 1:02:17 iter: 2779
total_loss: 0.6856 loss_cls: 0.1285 loss_box_reg: 0.3868
loss_rpn_cls: 0.01926 loss_rpn_loc: 0.1463 time: 0.5076
last_time: 0.4680 data_time: 0.0117 last_data_time: 0.0065 lr:
0.00025 max_mem: 2458M
[07/21 22:53:18 d2.utils.events]: eta: 1:02:08 iter: 2799
total_loss: 0.663 loss_cls: 0.1246 loss_box_reg: 0.3683
loss_rpn_cls: 0.01361 loss_rpn_loc: 0.1506 time: 0.5076
last_time: 0.4689 data_time: 0.0116 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
[07/21 22:53:28 d2.utils.events]: eta: 1:01:58 iter: 2819
total_loss: 0.6722 loss_cls: 0.1086 loss_box_reg: 0.3846
```

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loss_rpn_cls: 0.02031 loss_rpn_loc: 0.1388 time: 0.5076
last_time: 0.5278 data_time: 0.0086 last_data_time: 0.0175 lr:
0.00025 max_mem: 2458M
[07/21 22:53:38 d2.utils.events]: eta: 1:01:49 iter: 2839
total_loss: 0.6711 loss_cls: 0.1181 loss_box_reg: 0.3933
loss_rpn_cls: 0.02 loss_rpn_loc: 0.1428 time: 0.5076 last_time:
0.5230 data_time: 0.0080 last_data_time: 0.0060 lr: 0.00025
max_mem: 2458M
[07/21 22:53:49 d2.utils.events]: eta: 1:01:38 iter: 2859
total_loss: 0.669 loss_cls: 0.1281 loss_box_reg: 0.3787
loss_rpn_cls: 0.01827 loss_rpn_loc: 0.1501 time: 0.5076
last_time: 0.5115 data_time: 0.0163 last_data_time: 0.0061 lr:
0.00025 max_mem: 2458M
[07/21 22:53:59 d2.utils.events]: eta: 1:01:30 iter: 2879
total_loss: 0.6577 loss_cls: 0.1137 loss_box_reg: 0.3887
loss_rpn_cls: 0.01845 loss_rpn_loc: 0.1394 time: 0.5077
last_time: 0.5502 data_time: 0.0148 last_data_time: 0.0312 lr:
0.00025 max_mem: 2458M
[07/21 22:54:09 d2.utils.events]: eta: 1:01:19 iter: 2899
total_loss: 0.679 loss_cls: 0.1215 loss_box_reg: 0.3882
loss_rpn_cls: 0.01823 loss_rpn_loc: 0.1505 time: 0.5077
last_time: 0.5170 data_time: 0.0085 last_data_time: 0.0067 lr:
0.00025 max_mem: 2458M
[07/21 22:54:19 d2.utils.events]: eta: 1:01:07 iter: 2919
total_loss: 0.6745 loss_cls: 0.1152 loss_box_reg: 0.3903
loss_rpn_cls: 0.01798 loss_rpn_loc: 0.1493 time: 0.5077
last_time: 0.4520 data_time: 0.0136 last_data_time: 0.0059 lr:
0.00025 max_mem: 2458M
[07/21 22:54:29 d2.utils.events]: eta: 1:00:56 iter: 2939
total_loss: 0.6801 loss_cls: 0.1177 loss_box_reg: 0.3918
loss_rpn_cls: 0.0189 loss_rpn_loc: 0.1418 time: 0.5077 last_time:
0.5190 data_time: 0.0108 last_data_time: 0.0075 lr: 0.00025
max_mem: 2458M
[07/21 22:54:39 d2.utils.events]: eta: 1:00:45 iter: 2959
total_loss: 0.6534 loss_cls: 0.1161 loss_box_reg: 0.3748
loss_rpn_cls: 0.01576 loss_rpn_loc: 0.1447 time: 0.5077
last_time: 0.4926 data_time: 0.0105 last_data_time: 0.0304 lr:
0.00025 max_mem: 2458M
[07/21 22:54:50 d2.utils.events]: eta: 1:00:35 iter: 2979
total_loss: 0.6531 loss_cls: 0.109 loss_box_reg: 0.36 loss_rpn_cls:
0.02089 loss_rpn_loc: 0.1473 time: 0.5077 last_time: 0.4696
data_time: 0.0092 last_data_time: 0.0062 lr: 0.00025 max_mem:
2458M
[07/21 22:55:00 d2.utils.events]: eta: 1:00:25 iter: 2999
total_loss: 0.6297 loss_cls: 0.1056 loss_box_reg: 0.3745
loss_rpn_cls: 0.01877 loss_rpn_loc: 0.1354 time: 0.5077
last_time: 0.4520 data_time: 0.0131 last_data_time: 0.0077 lr:
0.00025 max_mem: 2458M
[07/21 22:55:10 d2.utils.events]: eta: 1:00:15 iter: 3019
```

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total_loss: 0.6592 loss_cls: 0.1126 loss_box_reg: 0.3792
loss_rpn_cls: 0.02312 loss_rpn_loc: 0.1447 time: 0.5077
last_time: 0.4664 data_time: 0.0176 last_data_time: 0.0228 lr:
0.00025 max_mem: 2458M
[07/21 22:55:20 d2.utils.events]: eta: 1:00:04 iter: 3039
total_loss: 0.6546 loss_cls: 0.1119 loss_box_reg: 0.3676
loss_rpn_cls: 0.01915 loss_rpn_loc: 0.1481 time: 0.5077
last_time: 0.4686 data_time: 0.0078 last_data_time: 0.0057 lr:
0.00025 max_mem: 2458M
[07/21 22:55:31 d2.utils.events]: eta: 0:59:54 iter: 3059
total_loss: 0.6554 loss_cls: 0.113 loss_box_reg: 0.3797
loss_rpn_cls: 0.02136 loss_rpn_loc: 0.1398 time: 0.5078
last_time: 0.4629 data_time: 0.0098 last_data_time: 0.0064 lr:
0.00025 max_mem: 2458M
[07/21 22:55:41 d2.utils.events]: eta: 0:59:43 iter: 3079
total_loss: 0.6814 loss_cls: 0.1164 loss_box_reg: 0.375
loss_rpn_cls: 0.01904 loss_rpn_loc: 0.1617 time: 0.5078
last_time: 0.4156 data_time: 0.0125 last_data_time: 0.0068 lr:
0.00025 max_mem: 2458M
[07/21 22:55:51 d2.utils.events]: eta: 0:59:33 iter: 3099
total_loss: 0.6622 loss_cls: 0.1172 loss_box_reg: 0.3722
loss_rpn_cls: 0.02231 loss_rpn_loc: 0.1461 time: 0.5077
last_time: 0.5342 data_time: 0.0076 last_data_time: 0.0117 lr:
0.00025 max_mem: 2458M
[07/21 22:56:01 d2.utils.events]: eta: 0:59:22 iter: 3119
total_loss: 0.6231 loss_cls: 0.1168 loss_box_reg: 0.3494
loss_rpn_cls: 0.01544 loss_rpn_loc: 0.1381 time: 0.5077
last_time: 0.5185 data_time: 0.0111 last_data_time: 0.0073 lr:
0.00025 max_mem: 2458M
[07/21 22:56:11 d2.utils.events]: eta: 0:59:12 iter: 3139
total_loss: 0.6436 loss_cls: 0.1129 loss_box_reg: 0.3718
loss_rpn_cls: 0.01399 loss_rpn_loc: 0.1364 time: 0.5077
last_time: 0.5175 data_time: 0.0082 last_data_time: 0.0093 lr:
0.00025 max_mem: 2458M
[07/21 22:56:21 d2.utils.events]: eta: 0:59:02 iter: 3159
total_loss: 0.6379 loss_cls: 0.1159 loss_box_reg: 0.3735
loss_rpn_cls: 0.01726 loss_rpn_loc: 0.1324 time: 0.5078
last_time: 0.5251 data_time: 0.0112 last_data_time: 0.0067 lr:
0.00025 max_mem: 2458M
[07/21 22:56:31 d2.utils.events]: eta: 0:58:51 iter: 3179
total_loss: 0.6252 loss_cls: 0.1085 loss_box_reg: 0.364
loss_rpn_cls: 0.01646 loss_rpn_loc: 0.131 time: 0.5077 last_time:
0.5128 data_time: 0.0094 last_data_time: 0.0058 lr: 0.00025
max_mem: 2458M
[07/21 22:56:42 d2.utils.events]: eta: 0:58:41 iter: 3199
total_loss: 0.6664 loss_cls: 0.1211 loss_box_reg: 0.3834
loss_rpn_cls: 0.01987 loss_rpn_loc: 0.1428 time: 0.5078
last_time: 0.5049 data_time: 0.0109 last_data_time: 0.0054 lr:
0.00025 max_mem: 2458M
```

```
[07/21 22:56:52 d2.utils.events]: eta: 0:58:31 iter: 3219
total_loss: 0.6417 loss_cls: 0.1163 loss_box_reg: 0.3756
loss_rpn_cls: 0.02406 loss_rpn_loc: 0.1298 time: 0.5077
last_time: 0.5248 data_time: 0.0123 last_data_time: 0.0059 lr:
0.00025 max_mem: 2458M
[07/21 22:57:02 d2.utils.events]: eta: 0:58:20 iter: 3239
total_loss: 0.6563 loss_cls: 0.111 loss_box_reg: 0.3728
loss_rpn_cls: 0.02076 loss_rpn_loc: 0.1562 time: 0.5077
last_time: 0.4480 data_time: 0.0070 last_data_time: 0.0067 lr:
0.00025 max_mem: 2458M
[07/21 22:57:12 d2.utils.events]: eta: 0:58:10 iter: 3259
total_loss: 0.6093 loss_cls: 0.1063 loss_box_reg: 0.367
loss_rpn_cls: 0.01648 loss_rpn_loc: 0.1336 time: 0.5078
last_time: 0.5129 data_time: 0.0176 last_data_time: 0.0053 lr:
0.00025 max_mem: 2458M
[07/21 22:57:23 d2.utils.events]: eta: 0:58:01 iter: 3279
total_loss: 0.6279 loss_cls: 0.111 loss_box_reg: 0.3613
loss_rpn_cls: 0.0175 loss_rpn_loc: 0.1359 time: 0.5079 last_time:
0.5259 data_time: 0.0136 last_data_time: 0.0066 lr: 0.00025
max_mem: 2458M
[07/21 22:57:33 d2.utils.events]: eta: 0:57:50 iter: 3299
total_loss: 0.6277 loss_cls: 0.1066 loss_box_reg: 0.3557
loss_rpn_cls: 0.01718 loss_rpn_loc: 0.1409 time: 0.5079
last_time: 0.5372 data_time: 0.0106 last_data_time: 0.0213 lr:
0.00025 max_mem: 2458M
[07/21 22:57:43 d2.utils.events]: eta: 0:57:39 iter: 3319
total_loss: 0.6267 loss_cls: 0.1087 loss_box_reg: 0.3535
loss_rpn_cls: 0.02209 loss_rpn_loc: 0.1445 time: 0.5079
last_time: 0.4477 data_time: 0.0083 last_data_time: 0.0078 lr:
0.00025 max_mem: 2458M
[07/21 22:57:53 d2.utils.events]: eta: 0:57:29 iter: 3339
total_loss: 0.6047 loss_cls: 0.104 loss_box_reg: 0.3451
loss_rpn_cls: 0.02107 loss_rpn_loc: 0.1297 time: 0.5079
last_time: 0.4533 data_time: 0.0156 last_data_time: 0.0076 lr:
0.00025 max_mem: 2458M
[07/21 22:58:04 d2.utils.events]: eta: 0:57:19 iter: 3359
total_loss: 0.6339 loss_cls: 0.1115 loss_box_reg: 0.3526
loss_rpn_cls: 0.02169 loss_rpn_loc: 0.143 time: 0.5080 last_time:
0.5109 data_time: 0.0141 last_data_time: 0.0060 lr: 0.00025
max_mem: 2458M
[07/21 22:58:14 d2.utils.events]: eta: 0:57:08 iter: 3379
total_loss: 0.6102 loss_cls: 0.1124 loss_box_reg: 0.3636
loss_rpn_cls: 0.01652 loss_rpn_loc: 0.1357 time: 0.5079
last_time: 0.5323 data_time: 0.0069 last_data_time: 0.0140 lr:
0.00025 max_mem: 2458M
[07/21 22:58:24 d2.utils.events]: eta: 0:56:58 iter: 3399
total_loss: 0.5931 loss_cls: 0.1065 loss_box_reg: 0.3492
loss_rpn_cls: 0.02267 loss_rpn_loc: 0.1252 time: 0.5080
last_time: 0.4788 data_time: 0.0095 last_data_time: 0.0069 lr:
```

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0.00025 max_mem: 2458M
[07/21 22:58:34 d2.utils.events]: eta: 0:56:48 iter: 3419
total_loss: 0.6286 loss_cls: 0.1134 loss_box_reg: 0.3676
loss_rpn_cls: 0.01835 loss_rpn_loc: 0.1373 time: 0.5080
last_time: 0.4669 data_time: 0.0137 last_data_time: 0.0058 lr:
0.00025 max_mem: 2458M
[07/21 22:58:44 d2.utils.events]: eta: 0:56:37 iter: 3439
total_loss: 0.6414 loss_cls: 0.1044 loss_box_reg: 0.3641
loss_rpn_cls: 0.02122 loss_rpn_loc: 0.1455 time: 0.5079
last_time: 0.4869 data_time: 0.0098 last_data_time: 0.0262 lr:
0.00025 max_mem: 2458M
[07/21 22:58:55 d2.utils.events]: eta: 0:56:26 iter: 3459
total_loss: 0.5985 loss_cls: 0.105 loss_box_reg: 0.3514
loss_rpn_cls: 0.01939 loss_rpn_loc: 0.1376 time: 0.5079
last_time: 0.4500 data_time: 0.0099 last_data_time: 0.0057 lr:
0.00025 max_mem: 2458M
[07/21 22:59:05 d2.utils.events]: eta: 0:56:16 iter: 3479
total_loss: 0.6459 loss_cls: 0.1155 loss_box_reg: 0.3887
loss_rpn_cls: 0.01447 loss_rpn_loc: 0.1302 time: 0.5080
last_time: 0.5209 data_time: 0.0139 last_data_time: 0.0049 lr:
0.00025 max_mem: 2458M
[07/21 22:59:15 d2.utils.events]: eta: 0:56:06 iter: 3499
total_loss: 0.5886 loss_cls: 0.09782 loss_box_reg: 0.3419
loss_rpn_cls: 0.01615 loss_rpn_loc: 0.1369 time: 0.5080
last_time: 0.5213 data_time: 0.0123 last_data_time: 0.0263 lr:
0.00025 max_mem: 2458M
[07/21 22:59:25 d2.utils.events]: eta: 0:55:55 iter: 3519
total_loss: 0.6014 loss_cls: 0.1028 loss_box_reg: 0.3523
loss_rpn_cls: 0.01362 loss_rpn_loc: 0.1208 time: 0.5080
last_time: 0.4664 data_time: 0.0095 last_data_time: 0.0057 lr:
0.00025 max_mem: 2458M
[07/21 22:59:35 d2.utils.events]: eta: 0:55:45 iter: 3539
total_loss: 0.6375 loss_cls: 0.1152 loss_box_reg: 0.3632
loss_rpn_cls: 0.0172 loss_rpn_loc: 0.1321 time: 0.5080 last_time:
0.4560 data_time: 0.0130 last_data_time: 0.0062 lr: 0.00025
max_mem: 2458M
[07/21 22:59:46 d2.utils.events]: eta: 0:55:35 iter: 3559
total_loss: 0.5757 loss_cls: 0.1026 loss_box_reg: 0.3313
loss_rpn_cls: 0.0147 loss_rpn_loc: 0.1256 time: 0.5080 last_time:
0.5432 data_time: 0.0140 last_data_time: 0.0255 lr: 0.00025
max_mem: 2458M
[07/21 22:59:56 d2.utils.events]: eta: 0:55:24 iter: 3579
total_loss: 0.6188 loss_cls: 0.1038 loss_box_reg: 0.356
loss_rpn_cls: 0.01502 loss_rpn_loc: 0.1334 time: 0.5080
last_time: 0.4724 data_time: 0.0073 last_data_time: 0.0073 lr:
0.00025 max_mem: 2458M
[07/21 23:00:06 d2.utils.events]: eta: 0:55:14 iter: 3599
total_loss: 0.6249 loss_cls: 0.1095 loss_box_reg: 0.375
loss_rpn_cls: 0.01961 loss_rpn_loc: 0.1302 time: 0.5080
```

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last_time: 0.5197 data_time: 0.0086 last_data_time: 0.0067 lr:
0.00025 max_mem: 2458M
[07/21 23:00:16 d2.utils.events]: eta: 0:55:03 iter: 3619
total_loss: 0.5559 loss_cls: 0.09878 loss_box_reg: 0.3191
loss_rpn_cls: 0.01932 loss_rpn_loc: 0.1342 time: 0.5080
last_time: 0.4576 data_time: 0.0101 last_data_time: 0.0069 lr:
0.00025 max_mem: 2458M
[07/21 23:00:26 d2.utils.events]: eta: 0:54:53 iter: 3639
total_loss: 0.6034 loss_cls: 0.1059 loss_box_reg: 0.345
loss_rpn_cls: 0.01618 loss_rpn_loc: 0.1314 time: 0.5080
last_time: 0.5372 data_time: 0.0103 last_data_time: 0.0187 lr:
0.00025 max_mem: 2458M
[07/21 23:00:37 d2.utils.events]: eta: 0:54:42 iter: 3659
total_loss: 0.6093 loss_cls: 0.1036 loss_box_reg: 0.3485
loss_rpn_cls: 0.01371 loss_rpn_loc: 0.1245 time: 0.5080
last_time: 0.5218 data_time: 0.0130 last_data_time: 0.0068 lr:
0.00025 max_mem: 2458M
[07/21 23:00:47 d2.utils.events]: eta: 0:54:31 iter: 3679
total_loss: 0.6001 loss_cls: 0.09996 loss_box_reg: 0.3553
loss_rpn_cls: 0.02489 loss_rpn_loc: 0.1288 time: 0.5081
last_time: 0.5148 data_time: 0.0136 last_data_time: 0.0062 lr:
0.00025 max_mem: 2458M
[07/21 23:00:57 d2.utils.events]: eta: 0:54:20 iter: 3699
total_loss: 0.5588 loss_cls: 0.1016 loss_box_reg: 0.3351
loss_rpn_cls: 0.01973 loss_rpn_loc: 0.1197 time: 0.5081
last_time: 0.5248 data_time: 0.0094 last_data_time: 0.0068 lr:
0.00025 max_mem: 2458M
[07/21 23:01:07 d2.utils.events]: eta: 0:54:09 iter: 3719
total_loss: 0.585 loss_cls: 0.1024 loss_box_reg: 0.338
loss_rpn_cls: 0.02127 loss_rpn_loc: 0.1294 time: 0.5080
last_time: 0.4805 data_time: 0.0074 last_data_time: 0.0100 lr:
0.00025 max_mem: 2458M
[07/21 23:01:18 d2.utils.events]: eta: 0:54:00 iter: 3739
total_loss: 0.5508 loss_cls: 0.09285 loss_box_reg: 0.3185
loss_rpn_cls: 0.01475 loss_rpn_loc: 0.1193 time: 0.5081
last_time: 0.5274 data_time: 0.0146 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
[07/21 23:01:28 d2.utils.events]: eta: 0:53:50 iter: 3759
total_loss: 0.6098 loss_cls: 0.1014 loss_box_reg: 0.3578
loss_rpn_cls: 0.02056 loss_rpn_loc: 0.128 time: 0.5081 last_time:
0.5173 data_time: 0.0129 last_data_time: 0.0055 lr: 0.00025
max_mem: 2458M
[07/21 23:01:38 d2.utils.events]: eta: 0:53:39 iter: 3779
total_loss: 0.578 loss_cls: 0.09747 loss_box_reg: 0.3359
loss_rpn_cls: 0.0208 loss_rpn_loc: 0.1197 time: 0.5081 last_time:
0.5233 data_time: 0.0094 last_data_time: 0.0060 lr: 0.00025
max_mem: 2458M
[07/21 23:01:48 d2.utils.events]: eta: 0:53:29 iter: 3799
total_loss: 0.5711 loss_cls: 0.0971 loss_box_reg: 0.3284
```

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loss_rpn_cls: 0.01594 loss_rpn_loc: 0.1232 time: 0.5081
last_time: 0.5137 data_time: 0.0111 last_data_time: 0.0057 lr:
0.00025 max_mem: 2458M
[07/21 23:01:59 d2.utils.events]: eta: 0:53:17 iter: 3819
total_loss: 0.5764 loss_cls: 0.09616 loss_box_reg: 0.346
loss_rpn_cls: 0.01513 loss_rpn_loc: 0.1169 time: 0.5082
last_time: 0.5164 data_time: 0.0118 last_data_time: 0.0083 lr:
0.00025 max_mem: 2458M
[07/21 23:02:09 d2.utils.events]: eta: 0:53:07 iter: 3839
total_loss: 0.5772 loss_cls: 0.101 loss_box_reg: 0.3459
loss_rpn_cls: 0.01768 loss_rpn_loc: 0.1176 time: 0.5082
last_time: 0.5327 data_time: 0.0124 last_data_time: 0.0100 lr:
0.00025 max_mem: 2458M
[07/21 23:02:19 d2.utils.events]: eta: 0:52:56 iter: 3859
total_loss: 0.5774 loss_cls: 0.102 loss_box_reg: 0.3403
loss_rpn_cls: 0.01151 loss_rpn_loc: 0.1308 time: 0.5082
last_time: 0.5156 data_time: 0.0068 last_data_time: 0.0063 lr:
0.00025 max_mem: 2458M
[07/21 23:02:30 d2.utils.events]: eta: 0:52:46 iter: 3879
total_loss: 0.5508 loss_cls: 0.09574 loss_box_reg: 0.3285
loss_rpn_cls: 0.01544 loss_rpn_loc: 0.1147 time: 0.5083
last_time: 0.4762 data_time: 0.0142 last_data_time: 0.0063 lr:
0.00025 max_mem: 2458M
[07/21 23:02:39 d2.utils.events]: eta: 0:52:36 iter: 3899
total_loss: 0.5943 loss_cls: 0.1006 loss_box_reg: 0.3331
loss_rpn_cls: 0.0205 loss_rpn_loc: 0.1304 time: 0.5082 last_time:
0.4561 data_time: 0.0098 last_data_time: 0.0176 lr: 0.00025
max_mem: 2458M
[07/21 23:02:50 d2.utils.events]: eta: 0:52:25 iter: 3919
total_loss: 0.5274 loss_cls: 0.09733 loss_box_reg: 0.3075
loss_rpn_cls: 0.01412 loss_rpn_loc: 0.1153 time: 0.5082
last_time: 0.5270 data_time: 0.0067 last_data_time: 0.0092 lr:
0.00025 max_mem: 2458M
[07/21 23:03:00 d2.utils.events]: eta: 0:52:15 iter: 3939
total_loss: 0.5711 loss_cls: 0.09433 loss_box_reg: 0.3212
loss_rpn_cls: 0.02101 loss_rpn_loc: 0.1326 time: 0.5082
last_time: 0.5203 data_time: 0.0124 last_data_time: 0.0070 lr:
0.00025 max_mem: 2458M
[07/21 23:03:10 d2.utils.events]: eta: 0:52:05 iter: 3959
total_loss: 0.5612 loss_cls: 0.09621 loss_box_reg: 0.3219
loss_rpn_cls: 0.02365 loss_rpn_loc: 0.1203 time: 0.5082
last_time: 0.5348 data_time: 0.0118 last_data_time: 0.0230 lr:
0.00025 max_mem: 2458M
[07/21 23:03:20 d2.utils.events]: eta: 0:51:54 iter: 3979
total_loss: 0.6119 loss_cls: 0.1029 loss_box_reg: 0.3499
loss_rpn_cls: 0.01405 loss_rpn_loc: 0.133 time: 0.5082 last_time:
0.5276 data_time: 0.0112 last_data_time: 0.0058 lr: 0.00025
max_mem: 2458M
[07/21 23:03:31 d2.utils.events]: eta: 0:51:44 iter: 3999
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total_loss: 0.5711 loss_cls: 0.09444 loss_box_reg: 0.334
loss_rpn_cls: 0.0172 loss_rpn_loc: 0.1321 time: 0.5082 last_time:
0.4804 data_time: 0.0143 last_data_time: 0.0052 lr: 0.00025
max_mem: 2458M
[07/21 23:03:41 d2.utils.events]: eta: 0:51:33 iter: 4019
total_loss: 0.5852 loss_cls: 0.09154 loss_box_reg: 0.3411
loss_rpn_cls: 0.01461 loss_rpn_loc: 0.1209 time: 0.5082
last_time: 0.5118 data_time: 0.0127 last_data_time: 0.0070 lr:
0.00025 max_mem: 2458M
[07/21 23:03:50 d2.utils.events]: eta: 0:51:23 iter: 4039
total_loss: 0.6013 loss_cls: 0.1034 loss_box_reg: 0.3411
loss_rpn_cls: 0.01936 loss_rpn_loc: 0.1392 time: 0.5081
last_time: 0.5048 data_time: 0.0105 last_data_time: 0.0071 lr:
0.00025 max_mem: 2458M
[07/21 23:04:00 d2.utils.events]: eta: 0:51:12 iter: 4059
total_loss: 0.5767 loss_cls: 0.08522 loss_box_reg: 0.3211
loss_rpn_cls: 0.01788 loss_rpn_loc: 0.1232 time: 0.5081
last_time: 0.4876 data_time: 0.0073 last_data_time: 0.0156 lr:
0.00025 max_mem: 2458M
[07/21 23:04:11 d2.utils.events]: eta: 0:51:01 iter: 4079
total_loss: 0.555 loss_cls: 0.08788 loss_box_reg: 0.3291
loss_rpn_cls: 0.01938 loss_rpn_loc: 0.1116 time: 0.5081
last_time: 0.5126 data_time: 0.0148 last_data_time: 0.0061 lr:
0.00025 max_mem: 2458M
[07/21 23:04:21 d2.utils.events]: eta: 0:50:51 iter: 4099
total_loss: 0.563 loss_cls: 0.09237 loss_box_reg: 0.3169
loss_rpn_cls: 0.01881 loss_rpn_loc: 0.1161 time: 0.5081
last_time: 0.4692 data_time: 0.0123 last_data_time: 0.0068 lr:
0.00025 max_mem: 2458M
[07/21 23:04:31 d2.utils.events]: eta: 0:50:41 iter: 4119
total_loss: 0.5881 loss_cls: 0.09929 loss_box_reg: 0.3456
loss_rpn_cls: 0.01719 loss_rpn_loc: 0.1229 time: 0.5080
last_time: 0.4763 data_time: 0.0121 last_data_time: 0.0291 lr:
0.00025 max_mem: 2458M
[07/21 23:04:41 d2.utils.events]: eta: 0:50:30 iter: 4139
total_loss: 0.5725 loss_cls: 0.09302 loss_box_reg: 0.3377
loss_rpn_cls: 0.01698 loss_rpn_loc: 0.1241 time: 0.5080
last_time: 0.4807 data_time: 0.0091 last_data_time: 0.0142 lr:
0.00025 max_mem: 2458M
[07/21 23:04:51 d2.utils.events]: eta: 0:50:20 iter: 4159
total_loss: 0.552 loss_cls: 0.09213 loss_box_reg: 0.3107
loss_rpn_cls: 0.01845 loss_rpn_loc: 0.1225 time: 0.5080
last_time: 0.4759 data_time: 0.0132 last_data_time: 0.0194 lr:
0.00025 max_mem: 2458M
[07/21 23:05:01 d2.utils.events]: eta: 0:50:10 iter: 4179
total_loss: 0.5632 loss_cls: 0.08905 loss_box_reg: 0.3248
loss_rpn_cls: 0.01753 loss_rpn_loc: 0.1153 time: 0.5080
last_time: 0.5211 data_time: 0.0112 last_data_time: 0.0071 lr:
0.00025 max_mem: 2458M
[07/21 23:05:11 d2.utils.events]: eta: 0:49:59 iter: 4199
```



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total_loss: 0.53 loss_cls: 0.0908 loss_box_reg: 0.3187
loss_rpn_cls: 0.01647 loss_rpn_loc: 0.1127 time: 0.5080
last_time: 0.5124 data_time: 0.0082 last_data_time: 0.0052 lr:
0.00025 max_mem: 2458M
[07/21 23:05:22 d2.utils.events]: eta: 0:49:49 iter: 4219
total_loss: 0.5475 loss_cls: 0.08983 loss_box_reg: 0.3206
loss_rpn_cls: 0.01663 loss_rpn_loc: 0.1128 time: 0.5081
last_time: 0.5228 data_time: 0.0116 last_data_time: 0.0089 lr:
0.00025 max_mem: 2458M
[07/21 23:05:32 d2.utils.events]: eta: 0:49:39 iter: 4239
total_loss: 0.5566 loss_cls: 0.08484 loss_box_reg: 0.3255
loss_rpn_cls: 0.02 loss_rpn_loc: 0.1166 time: 0.5081 last_time:
0.5588 data_time: 0.0184 last_data_time: 0.0297 lr: 0.00025
max_mem: 2458M
[07/21 23:05:42 d2.utils.events]: eta: 0:49:28 iter: 4259
total_loss: 0.5431 loss_cls: 0.08491 loss_box_reg: 0.3096
loss_rpn_cls: 0.01608 loss_rpn_loc: 0.118 time: 0.5081 last_time:
0.5131 data_time: 0.0092 last_data_time: 0.0100 lr: 0.00025
max_mem: 2458M
[07/21 23:05:53 d2.utils.events]: eta: 0:49:18 iter: 4279
total_loss: 0.5508 loss_cls: 0.09591 loss_box_reg: 0.3312
loss_rpn_cls: 0.01365 loss_rpn_loc: 0.1171 time: 0.5081
last_time: 0.5235 data_time: 0.0101 last_data_time: 0.0053 lr:
0.00025 max_mem: 2458M
[07/21 23:06:03 d2.utils.events]: eta: 0:49:08 iter: 4299
total_loss: 0.5263 loss_cls: 0.08608 loss_box_reg: 0.3188
loss_rpn_cls: 0.01324 loss_rpn_loc: 0.1169 time: 0.5081
last_time: 0.4728 data_time: 0.0138 last_data_time: 0.0067 lr:
0.00025 max_mem: 2458M
[07/21 23:06:13 d2.utils.events]: eta: 0:48:57 iter: 4319
total_loss: 0.5397 loss_cls: 0.09024 loss_box_reg: 0.3029
loss_rpn_cls: 0.01798 loss_rpn_loc: 0.1162 time: 0.5081
last_time: 0.5379 data_time: 0.0078 last_data_time: 0.0194 lr:
0.00025 max_mem: 2458M
[07/21 23:06:23 d2.utils.events]: eta: 0:48:47 iter: 4339
total_loss: 0.5556 loss_cls: 0.09428 loss_box_reg: 0.3104
loss_rpn_cls: 0.0176 loss_rpn_loc: 0.1196 time: 0.5082 last_time:
0.5215 data_time: 0.0108 last_data_time: 0.0049 lr: 0.00025
max_mem: 2458M
[07/21 23:06:34 d2.utils.events]: eta: 0:48:37 iter: 4359
total_loss: 0.5107 loss_cls: 0.08556 loss_box_reg: 0.2889
loss_rpn_cls: 0.01345 loss_rpn_loc: 0.1114 time: 0.5082
last_time: 0.5148 data_time: 0.0122 last_data_time: 0.0057 lr:
0.00025 max_mem: 2458M
[07/21 23:06:44 d2.utils.events]: eta: 0:48:26 iter: 4379
total_loss: 0.5434 loss_cls: 0.08481 loss_box_reg: 0.3206
loss_rpn_cls: 0.01721 loss_rpn_loc: 0.1168 time: 0.5082
last_time: 0.5350 data_time: 0.0101 last_data_time: 0.0191 lr:
0.00025 max_mem: 2458M
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[07/21 23:06:54 d2.utils.events]: eta: 0:48:16 iter: 4399
total_loss: 0.5556 loss_cls: 0.08626 loss_box_reg: 0.3153
loss_rpn_cls: 0.01547 loss_rpn_loc: 0.1278 time: 0.5082
last_time: 0.5244 data_time: 0.0078 last_data_time: 0.0066 lr:
0.00025 max_mem: 2458M
[07/21 23:07:04 d2.utils.events]: eta: 0:48:06 iter: 4419
total_loss: 0.5823 loss_cls: 0.09561 loss_box_reg: 0.353
loss_rpn_cls: 0.01733 loss_rpn_loc: 0.1331 time: 0.5082
last_time: 0.5205 data_time: 0.0127 last_data_time: 0.0082 lr:
0.00025 max_mem: 2458M
[07/21 23:07:14 d2.utils.events]: eta: 0:47:55 iter: 4439
total_loss: 0.5697 loss_cls: 0.09497 loss_box_reg: 0.3432
loss_rpn_cls: 0.01397 loss_rpn_loc: 0.1252 time: 0.5082
last_time: 0.5246 data_time: 0.0107 last_data_time: 0.0083 lr:
0.00025 max_mem: 2458M
[07/21 23:07:25 d2.utils.events]: eta: 0:47:45 iter: 4459
total_loss: 0.5411 loss_cls: 0.09073 loss_box_reg: 0.3047
loss_rpn_cls: 0.01504 loss_rpn_loc: 0.1261 time: 0.5083
last_time: 0.5290 data_time: 0.0085 last_data_time: 0.0184 lr:
0.00025 max_mem: 2458M
[07/21 23:07:35 d2.utils.events]: eta: 0:47:35 iter: 4479
total_loss: 0.532 loss_cls: 0.09182 loss_box_reg: 0.3156
loss_rpn_cls: 0.0148 loss_rpn_loc: 0.111 time: 0.5083 last_time:
0.5224 data_time: 0.0128 last_data_time: 0.0085 lr: 0.00025
max_mem: 2458M
[07/21 23:07:45 d2.utils.events]: eta: 0:47:26 iter: 4499
total_loss: 0.545 loss_cls: 0.08558 loss_box_reg: 0.3137
loss_rpn_cls: 0.01265 loss_rpn_loc: 0.1186 time: 0.5083
last_time: 0.4538 data_time: 0.0122 last_data_time: 0.0103 lr:
0.00025 max_mem: 2458M
[07/21 23:07:56 d2.utils.events]: eta: 0:47:16 iter: 4519
total_loss: 0.559 loss_cls: 0.08714 loss_box_reg: 0.3141
loss_rpn_cls: 0.01429 loss_rpn_loc: 0.1222 time: 0.5084
last_time: 0.5195 data_time: 0.0119 last_data_time: 0.0059 lr:
0.00025 max_mem: 2458M
[07/21 23:08:06 d2.utils.events]: eta: 0:47:05 iter: 4539
total_loss: 0.5189 loss_cls: 0.08968 loss_box_reg: 0.3002
loss_rpn_cls: 0.01273 loss_rpn_loc: 0.1163 time: 0.5084
last_time: 0.5258 data_time: 0.0064 last_data_time: 0.0073 lr:
0.00025 max_mem: 2458M
[07/21 23:08:16 d2.utils.events]: eta: 0:46:55 iter: 4559
total_loss: 0.4952 loss_cls: 0.08029 loss_box_reg: 0.299
loss_rpn_cls: 0.01766 loss_rpn_loc: 0.11 time: 0.5084 last_time:
0.5187 data_time: 0.0129 last_data_time: 0.0065 lr: 0.00025
max_mem: 2458M
[07/21 23:08:27 d2.utils.events]: eta: 0:46:46 iter: 4579
total_loss: 0.5212 loss_cls: 0.08634 loss_box_reg: 0.3099
loss_rpn_cls: 0.0144 loss_rpn_loc: 0.1119 time: 0.5085 last_time:
0.5261 data_time: 0.0129 last_data_time: 0.0184 lr: 0.00025
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max_mem: 2458M
[07/21 23:08:37 d2.utils.events]: eta: 0:46:35 iter: 4599
total_loss: 0.4876 loss_cls: 0.08114 loss_box_reg: 0.2915
loss_rpn_cls: 0.02048 loss_rpn_loc: 0.1093 time: 0.5085
last_time: 0.4642 data_time: 0.0106 last_data_time: 0.0165 lr:
0.00025 max_mem: 2458M
[07/21 23:08:47 d2.utils.events]: eta: 0:46:25 iter: 4619
total_loss: 0.5082 loss_cls: 0.08543 loss_box_reg: 0.3038
loss_rpn_cls: 0.01293 loss_rpn_loc: 0.1112 time: 0.5084
last_time: 0.5226 data_time: 0.0086 last_data_time: 0.0087 lr:
0.00025 max_mem: 2458M
[07/21 23:08:57 d2.utils.events]: eta: 0:46:15 iter: 4639
total_loss: 0.4997 loss_cls: 0.07897 loss_box_reg: 0.3022
loss_rpn_cls: 0.01807 loss_rpn_loc: 0.1177 time: 0.5085
last_time: 0.5263 data_time: 0.0091 last_data_time: 0.0087 lr:
0.00025 max_mem: 2458M
[07/21 23:09:08 d2.utils.events]: eta: 0:46:05 iter: 4659
total_loss: 0.5399 loss_cls: 0.08712 loss_box_reg: 0.2966
loss_rpn_cls: 0.01416 loss_rpn_loc: 0.1143 time: 0.5085
last_time: 0.4599 data_time: 0.0068 last_data_time: 0.0069 lr:
0.00025 max_mem: 2458M
[07/21 23:09:18 d2.utils.events]: eta: 0:45:55 iter: 4679
total_loss: 0.4982 loss_cls: 0.08491 loss_box_reg: 0.2962
loss_rpn_cls: 0.01106 loss_rpn_loc: 0.1153 time: 0.5085
last_time: 0.4706 data_time: 0.0097 last_data_time: 0.0276 lr:
0.00025 max_mem: 2458M
[07/21 23:09:28 d2.utils.events]: eta: 0:45:44 iter: 4699
total_loss: 0.4889 loss_cls: 0.08024 loss_box_reg: 0.2899
loss_rpn_cls: 0.01494 loss_rpn_loc: 0.1068 time: 0.5085
last_time: 0.5166 data_time: 0.0141 last_data_time: 0.0068 lr:
0.00025 max_mem: 2458M
[07/21 23:09:38 d2.utils.events]: eta: 0:45:34 iter: 4719
total_loss: 0.5255 loss_cls: 0.08949 loss_box_reg: 0.2979
loss_rpn_cls: 0.02137 loss_rpn_loc: 0.1123 time: 0.5086
last_time: 0.5628 data_time: 0.0194 last_data_time: 0.0203 lr:
0.00025 max_mem: 2458M
[07/21 23:09:48 d2.utils.events]: eta: 0:45:24 iter: 4739
total_loss: 0.4945 loss_cls: 0.08341 loss_box_reg: 0.2694
loss_rpn_cls: 0.01254 loss_rpn_loc: 0.1065 time: 0.5085
last_time: 0.4541 data_time: 0.0085 last_data_time: 0.0058 lr:
0.00025 max_mem: 2458M
[07/21 23:09:59 d2.utils.events]: eta: 0:45:13 iter: 4759
total_loss: 0.5111 loss_cls: 0.0817 loss_box_reg: 0.306
loss_rpn_cls: 0.02071 loss_rpn_loc: 0.1046 time: 0.5085
last_time: 0.5203 data_time: 0.0086 last_data_time: 0.0065 lr:
0.00025 max_mem: 2458M
[07/21 23:10:09 d2.utils.events]: eta: 0:45:02 iter: 4779
total_loss: 0.4908 loss_cls: 0.07835 loss_box_reg: 0.2804
loss_rpn_cls: 0.0214 loss_rpn_loc: 0.1153 time: 0.5086 last_time:
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0.4584 data_time: 0.0148 last_data_time: 0.0052 lr: 0.00025
max_mem: 2458M
[07/21 23:10:19 d2.utils.events]: eta: 0:44:51 iter: 4799
total_loss: 0.5091 loss_cls: 0.08886 loss_box_reg: 0.2924
loss_rpn_cls: 0.01442 loss_rpn_loc: 0.1144 time: 0.5085
last_time: 0.5345 data_time: 0.0101 last_data_time: 0.0174 lr:
0.00025 max_mem: 2458M
[07/21 23:10:29 d2.utils.events]: eta: 0:44:42 iter: 4819
total_loss: 0.4754 loss_cls: 0.08342 loss_box_reg: 0.2721
loss_rpn_cls: 0.02059 loss_rpn_loc: 0.1079 time: 0.5085
last_time: 0.4688 data_time: 0.0096 last_data_time: 0.0065 lr:
0.00025 max_mem: 2458M
[07/21 23:10:39 d2.utils.events]: eta: 0:44:32 iter: 4839
total_loss: 0.495 loss_cls: 0.08467 loss_box_reg: 0.2735
loss_rpn_cls: 0.01365 loss_rpn_loc: 0.1117 time: 0.5085
last_time: 0.4655 data_time: 0.0142 last_data_time: 0.0103 lr:
0.00025 max_mem: 2458M
[07/21 23:10:50 d2.utils.events]: eta: 0:44:22 iter: 4859
total_loss: 0.5516 loss_cls: 0.08221 loss_box_reg: 0.3037
loss_rpn_cls: 0.01525 loss_rpn_loc: 0.1081 time: 0.5085
last_time: 0.5255 data_time: 0.0116 last_data_time: 0.0059 lr:
0.00025 max_mem: 2458M
[07/21 23:11:00 d2.utils.events]: eta: 0:44:11 iter: 4879
total_loss: 0.4903 loss_cls: 0.07502 loss_box_reg: 0.2892
loss_rpn_cls: 0.01514 loss_rpn_loc: 0.1013 time: 0.5085
last_time: 0.5114 data_time: 0.0067 last_data_time: 0.0056 lr:
0.00025 max_mem: 2458M
[07/21 23:11:10 d2.utils.events]: eta: 0:44:01 iter: 4899
total_loss: 0.5005 loss_cls: 0.08148 loss_box_reg: 0.2946
loss_rpn_cls: 0.01473 loss_rpn_loc: 0.1085 time: 0.5085
last_time: 0.4737 data_time: 0.0093 last_data_time: 0.0088 lr:
0.00025 max_mem: 2458M
[07/21 23:11:20 d2.utils.events]: eta: 0:43:51 iter: 4919
total_loss: 0.4705 loss_cls: 0.07542 loss_box_reg: 0.2831
loss_rpn_cls: 0.01243 loss_rpn_loc: 0.1092 time: 0.5085
last_time: 0.4708 data_time: 0.0112 last_data_time: 0.0078 lr:
0.00025 max_mem: 2458M
[07/21 23:11:30 d2.utils.events]: eta: 0:43:41 iter: 4939
total_loss: 0.5202 loss_cls: 0.08135 loss_box_reg: 0.3061
loss_rpn_cls: 0.02065 loss_rpn_loc: 0.11 time: 0.5085 last_time:
0.5002 data_time: 0.0108 last_data_time: 0.0265 lr: 0.00025
max_mem: 2458M
[07/21 23:11:41 d2.utils.events]: eta: 0:43:31 iter: 4959
total_loss: 0.4756 loss_cls: 0.08016 loss_box_reg: 0.2744
loss_rpn_cls: 0.01531 loss_rpn_loc: 0.09879 time: 0.5086
last_time: 0.4728 data_time: 0.0134 last_data_time: 0.0067 lr:
0.00025 max_mem: 2458M
[07/21 23:11:51 d2.utils.events]: eta: 0:43:21 iter: 4979
total_loss: 0.5168 loss_cls: 0.07909 loss_box_reg: 0.3157
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loss_rpn_cls: 0.01397 loss_rpn_loc: 0.1126 time: 0.5086
last_time: 0.5180 data_time: 0.0131 last_data_time: 0.0059 lr:
0.00025 max_mem: 2458M
[07/21 23:12:02 d2.utils.events]: eta: 0:43:10 iter: 4999
total_loss: 0.5174 loss_cls: 0.08232 loss_box_reg: 0.3067
loss_rpn_cls: 0.01724 loss_rpn_loc: 0.1136 time: 0.5085
last_time: 0.5511 data_time: 0.0109 last_data_time: 0.0255 lr:
0.00025 max_mem: 2458M
[07/21 23:12:13 d2.utils.events]: eta: 0:43:00 iter: 5019
total_loss: 0.5183 loss_cls: 0.07756 loss_box_reg: 0.3063
loss_rpn_cls: 0.01754 loss_rpn_loc: 0.1187 time: 0.5085
last_time: 0.5378 data_time: 0.0098 last_data_time: 0.0272 lr:
0.00025 max_mem: 2458M
[07/21 23:12:23 d2.utils.events]: eta: 0:42:50 iter: 5039
total_loss: 0.4719 loss_cls: 0.07559 loss_box_reg: 0.2687
loss_rpn_cls: 0.01392 loss_rpn_loc: 0.1054 time: 0.5085
last_time: 0.5187 data_time: 0.0086 last_data_time: 0.0062 lr:
0.00025 max_mem: 2458M
[07/21 23:12:33 d2.utils.events]: eta: 0:42:41 iter: 5059
total_loss: 0.4926 loss_cls: 0.08156 loss_box_reg: 0.2962
loss_rpn_cls: 0.01198 loss_rpn_loc: 0.1066 time: 0.5085
last_time: 0.4558 data_time: 0.0118 last_data_time: 0.0089 lr:
0.00025 max_mem: 2458M
[07/21 23:12:43 d2.utils.events]: eta: 0:42:30 iter: 5079
total_loss: 0.4492 loss_cls: 0.07569 loss_box_reg: 0.2771
loss_rpn_cls: 0.01486 loss_rpn_loc: 0.1089 time: 0.5085
last_time: 0.5429 data_time: 0.0123 last_data_time: 0.0235 lr:
0.00025 max_mem: 2458M
[07/21 23:12:54 d2.utils.events]: eta: 0:42:21 iter: 5099
total_loss: 0.5032 loss_cls: 0.07687 loss_box_reg: 0.2988
loss_rpn_cls: 0.01434 loss_rpn_loc: 0.1129 time: 0.5086
last_time: 0.5200 data_time: 0.0114 last_data_time: 0.0079 lr:
0.00025 max_mem: 2458M
[07/21 23:13:04 d2.utils.events]: eta: 0:42:11 iter: 5119
total_loss: 0.462 loss_cls: 0.07573 loss_box_reg: 0.2684
loss_rpn_cls: 0.01837 loss_rpn_loc: 0.1035 time: 0.5086
last_time: 0.4486 data_time: 0.0100 last_data_time: 0.0073 lr:
0.00025 max_mem: 2458M
[07/21 23:13:14 d2.utils.events]: eta: 0:42:01 iter: 5139
total_loss: 0.4759 loss_cls: 0.07981 loss_box_reg: 0.2833
loss_rpn_cls: 0.01364 loss_rpn_loc: 0.1036 time: 0.5086
last_time: 0.5164 data_time: 0.0107 last_data_time: 0.0070 lr:
0.00025 max_mem: 2458M
[07/21 23:13:24 d2.utils.events]: eta: 0:41:50 iter: 5159
total_loss: 0.4685 loss_cls: 0.07664 loss_box_reg: 0.2682
loss_rpn_cls: 0.02105 loss_rpn_loc: 0.1079 time: 0.5086
last_time: 0.5449 data_time: 0.0095 last_data_time: 0.0327 lr:
0.00025 max_mem: 2458M
[07/21 23:13:34 d2.utils.events]: eta: 0:41:40 iter: 5179
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total_loss: 0.5017 loss_cls: 0.07642 loss_box_reg: 0.2966
loss_rpn_cls: 0.01941 loss_rpn_loc: 0.1054 time: 0.5085
last_time: 0.5169 data_time: 0.0065 last_data_time: 0.0067 lr:
0.00025 max_mem: 2458M
[07/21 23:13:45 d2.utils.events]: eta: 0:41:30 iter: 5199
total_loss: 0.4914 loss_cls: 0.07761 loss_box_reg: 0.2785
loss_rpn_cls: 0.01595 loss_rpn_loc: 0.1142 time: 0.5086
last_time: 0.5176 data_time: 0.0136 last_data_time: 0.0056 lr:
0.00025 max_mem: 2458M
[07/21 23:13:55 d2.utils.events]: eta: 0:41:19 iter: 5219
total_loss: 0.4651 loss_cls: 0.07563 loss_box_reg: 0.2737
loss_rpn_cls: 0.01718 loss_rpn_loc: 0.1038 time: 0.5086
last_time: 0.5450 data_time: 0.0090 last_data_time: 0.0282 lr:
0.00025 max_mem: 2458M
[07/21 23:14:05 d2.utils.events]: eta: 0:41:09 iter: 5239
total_loss: 0.4557 loss_cls: 0.07952 loss_box_reg: 0.2785
loss_rpn_cls: 0.01431 loss_rpn_loc: 0.1007 time: 0.5087
last_time: 0.5191 data_time: 0.0152 last_data_time: 0.0082 lr:
0.00025 max_mem: 2458M
[07/21 23:14:16 d2.utils.events]: eta: 0:40:59 iter: 5259
total_loss: 0.4723 loss_cls: 0.07841 loss_box_reg: 0.2776
loss_rpn_cls: 0.01429 loss_rpn_loc: 0.1077 time: 0.5087
last_time: 0.4754 data_time: 0.0140 last_data_time: 0.0057 lr:
0.00025 max_mem: 2458M
[07/21 23:14:26 d2.utils.events]: eta: 0:40:49 iter: 5279
total_loss: 0.4656 loss_cls: 0.0771 loss_box_reg: 0.2649
loss_rpn_cls: 0.01504 loss_rpn_loc: 0.1012 time: 0.5088
last_time: 0.5501 data_time: 0.0170 last_data_time: 0.0291 lr:
0.00025 max_mem: 2458M
[07/21 23:14:36 d2.utils.events]: eta: 0:40:38 iter: 5299
total_loss: 0.4749 loss_cls: 0.07347 loss_box_reg: 0.2787
loss_rpn_cls: 0.01744 loss_rpn_loc: 0.1006 time: 0.5087
last_time: 0.5201 data_time: 0.0081 last_data_time: 0.0105 lr:
0.00025 max_mem: 2458M
[07/21 23:14:46 d2.utils.events]: eta: 0:40:28 iter: 5319
total_loss: 0.4582 loss_cls: 0.07439 loss_box_reg: 0.2648
loss_rpn_cls: 0.01468 loss_rpn_loc: 0.1 time: 0.5087 last_time:
0.4732 data_time: 0.0092 last_data_time: 0.0054 lr: 0.00025
max_mem: 2458M
[07/21 23:14:56 d2.utils.events]: eta: 0:40:17 iter: 5339
total_loss: 0.4856 loss_cls: 0.08024 loss_box_reg: 0.2876
loss_rpn_cls: 0.01145 loss_rpn_loc: 0.1088 time: 0.5087
last_time: 0.5130 data_time: 0.0106 last_data_time: 0.0069 lr:
0.00025 max_mem: 2458M
[07/21 23:15:07 d2.utils.events]: eta: 0:40:07 iter: 5359
total_loss: 0.5054 loss_cls: 0.07743 loss_box_reg: 0.2924
loss_rpn_cls: 0.01585 loss_rpn_loc: 0.1092 time: 0.5087
last_time: 0.4968 data_time: 0.0083 last_data_time: 0.0268 lr:
0.00025 max_mem: 2458M
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[07/21 23:15:17 d2.utils.events]: eta: 0:39:57 iter: 5379
total_loss: 0.4638 loss_cls: 0.07664 loss_box_reg: 0.2597
loss_rpn_cls: 0.01833 loss_rpn_loc: 0.1028 time: 0.5087
last_time: 0.4507 data_time: 0.0111 last_data_time: 0.0068 lr:
0.00025 max_mem: 2458M
[07/21 23:15:27 d2.utils.events]: eta: 0:39:46 iter: 5399
total_loss: 0.4752 loss_cls: 0.0765 loss_box_reg: 0.2666
loss_rpn_cls: 0.01689 loss_rpn_loc: 0.1013 time: 0.5087
last_time: 0.5237 data_time: 0.0117 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
[07/21 23:15:37 d2.utils.events]: eta: 0:39:36 iter: 5419
total_loss: 0.4749 loss_cls: 0.0765 loss_box_reg: 0.2878
loss_rpn_cls: 0.01195 loss_rpn_loc: 0.1004 time: 0.5087
last_time: 0.5296 data_time: 0.0109 last_data_time: 0.0054 lr:
0.00025 max_mem: 2458M
[07/21 23:15:47 d2.utils.events]: eta: 0:39:25 iter: 5439
total_loss: 0.4733 loss_cls: 0.07231 loss_box_reg: 0.2741
loss_rpn_cls: 0.01884 loss_rpn_loc: 0.1046 time: 0.5087
last_time: 0.5173 data_time: 0.0131 last_data_time: 0.0077 lr:
0.00025 max_mem: 2458M
[07/21 23:15:57 d2.utils.events]: eta: 0:39:15 iter: 5459
total_loss: 0.4703 loss_cls: 0.08042 loss_box_reg: 0.2685
loss_rpn_cls: 0.01475 loss_rpn_loc: 0.1009 time: 0.5087
last_time: 0.5185 data_time: 0.0130 last_data_time: 0.0049 lr:
0.00025 max_mem: 2458M
[07/21 23:16:08 d2.utils.events]: eta: 0:39:05 iter: 5479
total_loss: 0.4526 loss_cls: 0.07427 loss_box_reg: 0.2725
loss_rpn_cls: 0.01311 loss_rpn_loc: 0.09703 time: 0.5087
last_time: 0.4088 data_time: 0.0137 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
[07/21 23:16:18 d2.utils.events]: eta: 0:38:54 iter: 5499
total_loss: 0.4547 loss_cls: 0.07468 loss_box_reg: 0.2674
loss_rpn_cls: 0.01434 loss_rpn_loc: 0.09873 time: 0.5087
last_time: 0.5480 data_time: 0.0089 last_data_time: 0.0240 lr:
0.00025 max_mem: 2458M
[07/21 23:16:28 d2.utils.events]: eta: 0:38:44 iter: 5519
total_loss: 0.4423 loss_cls: 0.07446 loss_box_reg: 0.2596
loss_rpn_cls: 0.01357 loss_rpn_loc: 0.1024 time: 0.5087
last_time: 0.5220 data_time: 0.0101 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
[07/21 23:16:38 d2.utils.events]: eta: 0:38:34 iter: 5539
total_loss: 0.4466 loss_cls: 0.06738 loss_box_reg: 0.2518
loss_rpn_cls: 0.01563 loss_rpn_loc: 0.09651 time: 0.5087
last_time: 0.5248 data_time: 0.0137 last_data_time: 0.0053 lr:
0.00025 max_mem: 2458M
[07/21 23:16:48 d2.utils.events]: eta: 0:38:23 iter: 5559
total_loss: 0.4409 loss_cls: 0.06979 loss_box_reg: 0.2804
loss_rpn_cls: 0.01454 loss_rpn_loc: 0.109 time: 0.5087 last_time:
0.4625 data_time: 0.0091 last_data_time: 0.0075 lr: 0.00025
```

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max_mem: 2458M
[07/21 23:16:59 d2.utils.events]: eta: 0:38:12 iter: 5579
total_loss: 0.4442 loss_cls: 0.07167 loss_box_reg: 0.2553
loss_rpn_cls: 0.01417 loss_rpn_loc: 0.09214 time: 0.5087
last_time: 0.5169 data_time: 0.0077 last_data_time: 0.0056 lr:
0.00025 max_mem: 2458M
[07/21 23:17:09 d2.utils.events]: eta: 0:38:02 iter: 5599
total_loss: 0.4443 loss_cls: 0.07203 loss_box_reg: 0.244
loss_rpn_cls: 0.01574 loss_rpn_loc: 0.1049 time: 0.5087
last_time: 0.5212 data_time: 0.0104 last_data_time: 0.0048 lr:
0.00025 max_mem: 2458M
[07/21 23:17:19 d2.utils.events]: eta: 0:37:52 iter: 5619
total_loss: 0.4498 loss_cls: 0.07954 loss_box_reg: 0.2638
loss_rpn_cls: 0.01607 loss_rpn_loc: 0.09526 time: 0.5087
last_time: 0.5144 data_time: 0.0081 last_data_time: 0.0068 lr:
0.00025 max_mem: 2458M
[07/21 23:17:29 d2.utils.events]: eta: 0:37:41 iter: 5639
total_loss: 0.4386 loss_cls: 0.06774 loss_box_reg: 0.252
loss_rpn_cls: 0.01608 loss_rpn_loc: 0.09705 time: 0.5087
last_time: 0.5002 data_time: 0.0079 last_data_time: 0.0301 lr:
0.00025 max_mem: 2458M
[07/21 23:17:39 d2.utils.events]: eta: 0:37:31 iter: 5659
total_loss: 0.4689 loss_cls: 0.07179 loss_box_reg: 0.2689
loss_rpn_cls: 0.01776 loss_rpn_loc: 0.1128 time: 0.5087
last_time: 0.5234 data_time: 0.0105 last_data_time: 0.0075 lr:
0.00025 max_mem: 2458M
[07/21 23:17:50 d2.utils.events]: eta: 0:37:21 iter: 5679
total_loss: 0.4258 loss_cls: 0.07256 loss_box_reg: 0.2545
loss_rpn_cls: 0.0127 loss_rpn_loc: 0.09518 time: 0.5087
last_time: 0.5450 data_time: 0.0168 last_data_time: 0.0153 lr:
0.00025 max_mem: 2458M
[07/21 23:18:00 d2.utils.events]: eta: 0:37:10 iter: 5699
total_loss: 0.4512 loss_cls: 0.07186 loss_box_reg: 0.2653
loss_rpn_cls: 0.01734 loss_rpn_loc: 0.09869 time: 0.5087
last_time: 0.4739 data_time: 0.0091 last_data_time: 0.0098 lr:
0.00025 max_mem: 2458M
[07/21 23:18:10 d2.utils.events]: eta: 0:37:00 iter: 5719
total_loss: 0.5059 loss_cls: 0.07705 loss_box_reg: 0.2846
loss_rpn_cls: 0.01612 loss_rpn_loc: 0.1121 time: 0.5087
last_time: 0.4763 data_time: 0.0124 last_data_time: 0.0062 lr:
0.00025 max_mem: 2458M
[07/21 23:18:20 d2.utils.events]: eta: 0:36:50 iter: 5739
total_loss: 0.4586 loss_cls: 0.07467 loss_box_reg: 0.2615
loss_rpn_cls: 0.01628 loss_rpn_loc: 0.1079 time: 0.5087
last_time: 0.5179 data_time: 0.0140 last_data_time: 0.0061 lr:
0.00025 max_mem: 2458M
[07/21 23:18:31 d2.utils.events]: eta: 0:36:40 iter: 5759
total_loss: 0.4455 loss_cls: 0.0666 loss_box_reg: 0.2624
loss_rpn_cls: 0.01434 loss_rpn_loc: 0.09982 time: 0.5087
```



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last_time: 0.5331 data_time: 0.0082 last_data_time: 0.0150 lr:
0.00025 max_mem: 2458M
[07/21 23:18:41 d2.utils.events]: eta: 0:36:30 iter: 5779
total_loss: 0.4759 loss_cls: 0.07056 loss_box_reg: 0.2568
loss_rpn_cls: 0.01801 loss_rpn_loc: 0.1038 time: 0.5088
last_time: 0.4561 data_time: 0.0092 last_data_time: 0.0059 lr:
0.00025 max_mem: 2458M
[07/21 23:18:51 d2.utils.events]: eta: 0:36:20 iter: 5799
total_loss: 0.4516 loss_cls: 0.0726 loss_box_reg: 0.2508
loss_rpn_cls: 0.02137 loss_rpn_loc: 0.09942 time: 0.5088
last_time: 0.5164 data_time: 0.0109 last_data_time: 0.0057 lr:
0.00025 max_mem: 2458M
[07/21 23:19:02 d2.utils.events]: eta: 0:36:10 iter: 5819
total_loss: 0.4136 loss_cls: 0.06804 loss_box_reg: 0.2447
loss_rpn_cls: 0.01899 loss_rpn_loc: 0.09329 time: 0.5088
last_time: 0.5496 data_time: 0.0126 last_data_time: 0.0241 lr:
0.00025 max_mem: 2458M
[07/21 23:19:12 d2.utils.events]: eta: 0:35:59 iter: 5839
total_loss: 0.3996 loss_cls: 0.06806 loss_box_reg: 0.2319
loss_rpn_cls: 0.01221 loss_rpn_loc: 0.09184 time: 0.5088
last_time: 0.5287 data_time: 0.0089 last_data_time: 0.0067 lr:
0.00025 max_mem: 2458M
[07/21 23:19:22 d2.utils.events]: eta: 0:35:49 iter: 5859
total_loss: 0.4053 loss_cls: 0.07051 loss_box_reg: 0.2304
loss_rpn_cls: 0.01465 loss_rpn_loc: 0.09296 time: 0.5088
last_time: 0.5204 data_time: 0.0168 last_data_time: 0.0070 lr:
0.00025 max_mem: 2458M
[07/21 23:19:32 d2.utils.events]: eta: 0:35:39 iter: 5879
total_loss: 0.394 loss_cls: 0.06278 loss_box_reg: 0.2321
loss_rpn_cls: 0.01437 loss_rpn_loc: 0.08604 time: 0.5089
last_time: 0.5287 data_time: 0.0138 last_data_time: 0.0185 lr:
0.00025 max_mem: 2458M
[07/21 23:19:43 d2.utils.events]: eta: 0:35:29 iter: 5899
total_loss: 0.4156 loss_cls: 0.06795 loss_box_reg: 0.2299
loss_rpn_cls: 0.01083 loss_rpn_loc: 0.1049 time: 0.5089
last_time: 0.5333 data_time: 0.0123 last_data_time: 0.0167 lr:
0.00025 max_mem: 2458M
[07/21 23:19:53 d2.utils.events]: eta: 0:35:19 iter: 5919
total_loss: 0.4243 loss_cls: 0.071 loss_box_reg: 0.2525
loss_rpn_cls: 0.01225 loss_rpn_loc: 0.09523 time: 0.5089
last_time: 0.5121 data_time: 0.0142 last_data_time: 0.0049 lr:
0.00025 max_mem: 2458M
[07/21 23:20:03 d2.utils.events]: eta: 0:35:08 iter: 5939
total_loss: 0.395 loss_cls: 0.06498 loss_box_reg: 0.2227
loss_rpn_cls: 0.01967 loss_rpn_loc: 0.0888 time: 0.5089
last_time: 0.5178 data_time: 0.0119 last_data_time: 0.0065 lr:
0.00025 max_mem: 2458M
[07/21 23:20:13 d2.utils.events]: eta: 0:34:58 iter: 5959
total_loss: 0.4668 loss_cls: 0.06783 loss_box_reg: 0.2605
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loss_rpn_cls: 0.01284 loss_rpn_loc: 0.1011 time: 0.5089
last_time: 0.5160 data_time: 0.0125 last_data_time: 0.0095 lr:
0.00025 max_mem: 2458M
[07/21 23:20:24 d2.utils.events]: eta: 0:34:48 iter: 5979
total_loss: 0.4208 loss_cls: 0.06646 loss_box_reg: 0.234
loss_rpn_cls: 0.01545 loss_rpn_loc: 0.09904 time: 0.5089
last_time: 0.4926 data_time: 0.0102 last_data_time: 0.0272 lr:
0.00025 max_mem: 2458M
[07/21 23:20:34 d2.utils.events]: eta: 0:34:38 iter: 5999
total_loss: 0.4026 loss_cls: 0.06242 loss_box_reg: 0.2322
loss_rpn_cls: 0.01392 loss_rpn_loc: 0.09545 time: 0.5089
last_time: 0.4765 data_time: 0.0096 last_data_time: 0.0105 lr:
0.00025 max_mem: 2458M
[07/21 23:20:44 d2.utils.events]: eta: 0:34:27 iter: 6019
total_loss: 0.4424 loss_cls: 0.07046 loss_box_reg: 0.2526
loss_rpn_cls: 0.01983 loss_rpn_loc: 0.1015 time: 0.5089
last_time: 0.4759 data_time: 0.0134 last_data_time: 0.0051 lr:
0.00025 max_mem: 2458M
[07/21 23:20:55 d2.utils.events]: eta: 0:34:17 iter: 6039
total_loss: 0.4143 loss_cls: 0.06486 loss_box_reg: 0.228
loss_rpn_cls: 0.01583 loss_rpn_loc: 0.08918 time: 0.5090
last_time: 0.5481 data_time: 0.0136 last_data_time: 0.0286 lr:
0.00025 max_mem: 2458M
[07/21 23:21:05 d2.utils.events]: eta: 0:34:07 iter: 6059
total_loss: 0.4347 loss_cls: 0.06907 loss_box_reg: 0.2451
loss_rpn_cls: 0.01303 loss_rpn_loc: 0.1059 time: 0.5089
last_time: 0.4153 data_time: 0.0073 last_data_time: 0.0073 lr:
0.00025 max_mem: 2458M
[07/21 23:21:15 d2.utils.events]: eta: 0:33:57 iter: 6079
total_loss: 0.4249 loss_cls: 0.06256 loss_box_reg: 0.2409
loss_rpn_cls: 0.01867 loss_rpn_loc: 0.09665 time: 0.5090
last_time: 0.5176 data_time: 0.0106 last_data_time: 0.0062 lr:
0.00025 max_mem: 2458M
[07/21 23:21:25 d2.utils.events]: eta: 0:33:46 iter: 6099
total_loss: 0.4246 loss_cls: 0.06237 loss_box_reg: 0.2502
loss_rpn_cls: 0.01403 loss_rpn_loc: 0.09681 time: 0.5090
last_time: 0.4711 data_time: 0.0105 last_data_time: 0.0068 lr:
0.00025 max_mem: 2458M
[07/21 23:21:35 d2.utils.events]: eta: 0:33:36 iter: 6119
total_loss: 0.4214 loss_cls: 0.06296 loss_box_reg: 0.2478
loss_rpn_cls: 0.01448 loss_rpn_loc: 0.09495 time: 0.5090
last_time: 0.5523 data_time: 0.0101 last_data_time: 0.0268 lr:
0.00025 max_mem: 2458M
[07/21 23:21:46 d2.utils.events]: eta: 0:33:26 iter: 6139
total_loss: 0.4005 loss_cls: 0.06684 loss_box_reg: 0.223
loss_rpn_cls: 0.01307 loss_rpn_loc: 0.09659 time: 0.5090
last_time: 0.5234 data_time: 0.0107 last_data_time: 0.0054 lr:
0.00025 max_mem: 2458M
[07/21 23:21:56 d2.utils.events]: eta: 0:33:17 iter: 6159
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total_loss: 0.3764 loss_cls: 0.06287 loss_box_reg: 0.2091
loss_rpn_cls: 0.01801 loss_rpn_loc: 0.08589 time: 0.5090
last_time: 0.4764 data_time: 0.0167 last_data_time: 0.0071 lr:
0.00025 max_mem: 2458M
[07/21 23:22:06 d2.utils.events]: eta: 0:33:06 iter: 6179
total_loss: 0.4375 loss_cls: 0.07235 loss_box_reg: 0.2437
loss_rpn_cls: 0.01759 loss_rpn_loc: 0.101 time: 0.5090 last_time:
0.4926 data_time: 0.0124 last_data_time: 0.0243 lr: 0.00025
max_mem: 2458M
[07/21 23:22:16 d2.utils.events]: eta: 0:32:55 iter: 6199
total_loss: 0.4343 loss_cls: 0.06122 loss_box_reg: 0.2536
loss_rpn_cls: 0.01246 loss_rpn_loc: 0.08998 time: 0.5090
last_time: 0.5229 data_time: 0.0086 last_data_time: 0.0084 lr:
0.00025 max_mem: 2458M
[07/21 23:22:26 d2.utils.events]: eta: 0:32:45 iter: 6219
total_loss: 0.4085 loss_cls: 0.06711 loss_box_reg: 0.2378
loss_rpn_cls: 0.01381 loss_rpn_loc: 0.09377 time: 0.5090
last_time: 0.4490 data_time: 0.0107 last_data_time: 0.0049 lr:
0.00025 max_mem: 2458M
[07/21 23:22:37 d2.utils.events]: eta: 0:32:34 iter: 6239
total_loss: 0.4109 loss_cls: 0.05946 loss_box_reg: 0.2411
loss_rpn_cls: 0.01392 loss_rpn_loc: 0.09359 time: 0.5090
last_time: 0.4741 data_time: 0.0131 last_data_time: 0.0081 lr:
0.00025 max_mem: 2458M
[07/21 23:22:47 d2.utils.events]: eta: 0:32:24 iter: 6259
total_loss: 0.3952 loss_cls: 0.06007 loss_box_reg: 0.2253
loss_rpn_cls: 0.01434 loss_rpn_loc: 0.0898 time: 0.5090
last_time: 0.5441 data_time: 0.0072 last_data_time: 0.0265 lr:
0.00025 max_mem: 2458M
[07/21 23:22:57 d2.utils.events]: eta: 0:32:13 iter: 6279
total_loss: 0.4275 loss_cls: 0.06468 loss_box_reg: 0.2551
loss_rpn_cls: 0.01662 loss_rpn_loc: 0.1008 time: 0.5089
last_time: 0.4484 data_time: 0.0123 last_data_time: 0.0062 lr:
0.00025 max_mem: 2458M
[07/21 23:23:07 d2.utils.events]: eta: 0:32:03 iter: 6299
total_loss: 0.401 loss_cls: 0.06208 loss_box_reg: 0.2325
loss_rpn_cls: 0.01565 loss_rpn_loc: 0.09275 time: 0.5090
last_time: 0.4721 data_time: 0.0126 last_data_time: 0.0051 lr:
0.00025 max_mem: 2458M
[07/21 23:23:17 d2.utils.events]: eta: 0:31:53 iter: 6319
total_loss: 0.4123 loss_cls: 0.06465 loss_box_reg: 0.221
loss_rpn_cls: 0.01817 loss_rpn_loc: 0.101 time: 0.5090 last_time:
0.5342 data_time: 0.0096 last_data_time: 0.0188 lr: 0.00025
max_mem: 2458M
[07/21 23:23:28 d2.utils.events]: eta: 0:31:42 iter: 6339
total_loss: 0.3782 loss_cls: 0.06133 loss_box_reg: 0.2155
loss_rpn_cls: 0.01508 loss_rpn_loc: 0.08276 time: 0.5090
last_time: 0.5277 data_time: 0.0101 last_data_time: 0.0091 lr:
0.00025 max_mem: 2458M
[07/21 23:23:38 d2.utils.events]: eta: 0:31:33 iter: 6359
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total_loss: 0.4096 loss_cls: 0.0617 loss_box_reg: 0.2284
loss_rpn_cls: 0.01666 loss_rpn_loc: 0.09108 time: 0.5090
last_time: 0.5270 data_time: 0.0124 last_data_time: 0.0068 lr:
0.00025 max_mem: 2458M
[07/21 23:23:49 d2.utils.events]: eta: 0:31:23 iter: 6379
total_loss: 0.391 loss_cls: 0.06609 loss_box_reg: 0.2183
loss_rpn_cls: 0.008681 loss_rpn_loc: 0.09683 time: 0.5091
last_time: 0.5387 data_time: 0.0166 last_data_time: 0.0161 lr:
0.00025 max_mem: 2458M
[07/21 23:23:59 d2.utils.events]: eta: 0:31:12 iter: 6399
total_loss: 0.3765 loss_cls: 0.06009 loss_box_reg: 0.2125
loss_rpn_cls: 0.01507 loss_rpn_loc: 0.09002 time: 0.5091
last_time: 0.5182 data_time: 0.0091 last_data_time: 0.0086 lr:
0.00025 max_mem: 2458M
[07/21 23:24:09 d2.utils.events]: eta: 0:31:02 iter: 6419
total_loss: 0.4157 loss_cls: 0.06637 loss_box_reg: 0.2301
loss_rpn_cls: 0.01679 loss_rpn_loc: 0.09222 time: 0.5091
last_time: 0.5159 data_time: 0.0080 last_data_time: 0.0061 lr:
0.00025 max_mem: 2458M
[07/21 23:24:19 d2.utils.events]: eta: 0:30:51 iter: 6439
total_loss: 0.3889 loss_cls: 0.06136 loss_box_reg: 0.2222
loss_rpn_cls: 0.01334 loss_rpn_loc: 0.09097 time: 0.5091
last_time: 0.5232 data_time: 0.0155 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
[07/21 23:24:29 d2.utils.events]: eta: 0:30:41 iter: 6459
total_loss: 0.3917 loss_cls: 0.05969 loss_box_reg: 0.2181
loss_rpn_cls: 0.01437 loss_rpn_loc: 0.09019 time: 0.5091
last_time: 0.5285 data_time: 0.0093 last_data_time: 0.0259 lr:
0.00025 max_mem: 2458M
[07/21 23:24:40 d2.utils.events]: eta: 0:30:30 iter: 6479
total_loss: 0.4078 loss_cls: 0.06652 loss_box_reg: 0.2274
loss_rpn_cls: 0.0139 loss_rpn_loc: 0.09242 time: 0.5091
last_time: 0.5185 data_time: 0.0133 last_data_time: 0.0056 lr:
0.00025 max_mem: 2458M
[07/21 23:24:50 d2.utils.events]: eta: 0:30:20 iter: 6499
total_loss: 0.3653 loss_cls: 0.06263 loss_box_reg: 0.2149
loss_rpn_cls: 0.01086 loss_rpn_loc: 0.08813 time: 0.5091
last_time: 0.4117 data_time: 0.0128 last_data_time: 0.0076 lr:
0.00025 max_mem: 2458M
[07/21 23:25:00 d2.utils.events]: eta: 0:30:09 iter: 6519
total_loss: 0.388 loss_cls: 0.05686 loss_box_reg: 0.2249
loss_rpn_cls: 0.01653 loss_rpn_loc: 0.0874 time: 0.5091
last_time: 0.5428 data_time: 0.0135 last_data_time: 0.0234 lr:
0.00025 max_mem: 2458M
[07/21 23:25:10 d2.utils.events]: eta: 0:29:59 iter: 6539
total_loss: 0.3864 loss_cls: 0.05821 loss_box_reg: 0.2221
loss_rpn_cls: 0.01422 loss_rpn_loc: 0.0887 time: 0.5091
last_time: 0.5205 data_time: 0.0077 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
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[07/21 23:25:20 d2.utils.events]: eta: 0:29:48 iter: 6559
total_loss: 0.4248 loss_cls: 0.06746 loss_box_reg: 0.2356
loss_rpn_cls: 0.01454 loss_rpn_loc: 0.09338 time: 0.5091
last_time: 0.4499 data_time: 0.0138 last_data_time: 0.0070 lr:
0.00025 max_mem: 2458M
[07/21 23:25:31 d2.utils.events]: eta: 0:29:38 iter: 6579
total_loss: 0.3817 loss_cls: 0.05916 loss_box_reg: 0.2299
loss_rpn_cls: 0.009732 loss_rpn_loc: 0.09208 time: 0.5091
last_time: 0.5200 data_time: 0.0119 last_data_time: 0.0062 lr:
0.00025 max_mem: 2458M
[07/21 23:25:41 d2.utils.events]: eta: 0:29:28 iter: 6599
total_loss: 0.434 loss_cls: 0.06359 loss_box_reg: 0.2496
loss_rpn_cls: 0.01451 loss_rpn_loc: 0.1033 time: 0.5091
last_time: 0.5415 data_time: 0.0074 last_data_time: 0.0066 lr:
0.00025 max_mem: 2458M
[07/21 23:25:52 d2.utils.events]: eta: 0:29:17 iter: 6619
total_loss: 0.3939 loss_cls: 0.05992 loss_box_reg: 0.2265
loss_rpn_cls: 0.0135 loss_rpn_loc: 0.09193 time: 0.5092
last_time: 0.5185 data_time: 0.0172 last_data_time: 0.0066 lr:
0.00025 max_mem: 2458M
[07/21 23:26:02 d2.utils.events]: eta: 0:29:08 iter: 6639
total_loss: 0.4058 loss_cls: 0.05219 loss_box_reg: 0.2332
loss_rpn_cls: 0.01734 loss_rpn_loc: 0.09635 time: 0.5092
last_time: 0.5130 data_time: 0.0112 last_data_time: 0.0062 lr:
0.00025 max_mem: 2458M
[07/21 23:26:12 d2.utils.events]: eta: 0:28:57 iter: 6659
total_loss: 0.3665 loss_cls: 0.05642 loss_box_reg: 0.2105
loss_rpn_cls: 0.01307 loss_rpn_loc: 0.08311 time: 0.5092
last_time: 0.5473 data_time: 0.0091 last_data_time: 0.0269 lr:
0.00025 max_mem: 2458M
[07/21 23:26:22 d2.utils.events]: eta: 0:28:46 iter: 6679
total_loss: 0.3918 loss_cls: 0.05942 loss_box_reg: 0.221
loss_rpn_cls: 0.01629 loss_rpn_loc: 0.1014 time: 0.5092
last_time: 0.5184 data_time: 0.0106 last_data_time: 0.0097 lr:
0.00025 max_mem: 2458M
[07/21 23:26:32 d2.utils.events]: eta: 0:28:36 iter: 6699
total_loss: 0.4175 loss_cls: 0.06694 loss_box_reg: 0.2438
loss_rpn_cls: 0.01568 loss_rpn_loc: 0.09382 time: 0.5091
last_time: 0.5229 data_time: 0.0123 last_data_time: 0.0057 lr:
0.00025 max_mem: 2458M
[07/21 23:26:42 d2.utils.events]: eta: 0:28:25 iter: 6719
total_loss: 0.4055 loss_cls: 0.06006 loss_box_reg: 0.232
loss_rpn_cls: 0.01537 loss_rpn_loc: 0.09215 time: 0.5091
last_time: 0.5506 data_time: 0.0104 last_data_time: 0.0226 lr:
0.00025 max_mem: 2458M
[07/21 23:26:53 d2.utils.events]: eta: 0:28:15 iter: 6739
total_loss: 0.3893 loss_cls: 0.05865 loss_box_reg: 0.2168
loss_rpn_cls: 0.01674 loss_rpn_loc: 0.08864 time: 0.5091
last_time: 0.5152 data_time: 0.0071 last_data_time: 0.0086 lr:
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0.00025 max_mem: 2458M
[07/21 23:27:03 d2.utils.events]: eta: 0:28:05 iter: 6759
total_loss: 0.4049 loss_cls: 0.06609 loss_box_reg: 0.2378
loss_rpn_cls: 0.01488 loss_rpn_loc: 0.09158 time: 0.5091
last_time: 0.5260 data_time: 0.0105 last_data_time: 0.0083 lr:
0.00025 max_mem: 2458M
[07/21 23:27:13 d2.utils.events]: eta: 0:27:54 iter: 6779
total_loss: 0.4028 loss_cls: 0.06242 loss_box_reg: 0.2289
loss_rpn_cls: 0.01518 loss_rpn_loc: 0.0973 time: 0.5091
last_time: 0.4446 data_time: 0.0144 last_data_time: 0.0062 lr:
0.00025 max_mem: 2458M
[07/21 23:27:23 d2.utils.events]: eta: 0:27:43 iter: 6799
total_loss: 0.3807 loss_cls: 0.06012 loss_box_reg: 0.224
loss_rpn_cls: 0.01433 loss_rpn_loc: 0.0949 time: 0.5091
last_time: 0.4358 data_time: 0.0082 last_data_time: 0.0066 lr:
0.00025 max_mem: 2458M
[07/21 23:27:33 d2.utils.events]: eta: 0:27:33 iter: 6819
total_loss: 0.3927 loss_cls: 0.05757 loss_box_reg: 0.2263
loss_rpn_cls: 0.01326 loss_rpn_loc: 0.09705 time: 0.5091
last_time: 0.5129 data_time: 0.0102 last_data_time: 0.0065 lr:
0.00025 max_mem: 2458M
[07/21 23:27:43 d2.utils.events]: eta: 0:27:23 iter: 6839
total_loss: 0.4103 loss_cls: 0.06069 loss_box_reg: 0.2384
loss_rpn_cls: 0.01767 loss_rpn_loc: 0.09272 time: 0.5091
last_time: 0.5400 data_time: 0.0118 last_data_time: 0.0201 lr:
0.00025 max_mem: 2458M
[07/21 23:27:54 d2.utils.events]: eta: 0:27:13 iter: 6859
total_loss: 0.3721 loss_cls: 0.05711 loss_box_reg: 0.2107
loss_rpn_cls: 0.01261 loss_rpn_loc: 0.08744 time: 0.5091
last_time: 0.5338 data_time: 0.0123 last_data_time: 0.0145 lr:
0.00025 max_mem: 2458M
[07/21 23:28:04 d2.utils.events]: eta: 0:27:02 iter: 6879
total_loss: 0.3867 loss_cls: 0.05732 loss_box_reg: 0.2212
loss_rpn_cls: 0.01235 loss_rpn_loc: 0.08918 time: 0.5091
last_time: 0.4709 data_time: 0.0078 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
[07/21 23:28:14 d2.utils.events]: eta: 0:26:51 iter: 6899
total_loss: 0.3794 loss_cls: 0.05772 loss_box_reg: 0.2198
loss_rpn_cls: 0.01158 loss_rpn_loc: 0.08151 time: 0.5091
last_time: 0.4494 data_time: 0.0107 last_data_time: 0.0058 lr:
0.00025 max_mem: 2458M
[07/21 23:28:25 d2.utils.events]: eta: 0:26:41 iter: 6919
total_loss: 0.3719 loss_cls: 0.05282 loss_box_reg: 0.2091
loss_rpn_cls: 0.01649 loss_rpn_loc: 0.08442 time: 0.5092
last_time: 0.5228 data_time: 0.0143 last_data_time: 0.0062 lr:
0.00025 max_mem: 2458M
[07/21 23:28:35 d2.utils.events]: eta: 0:26:31 iter: 6939
total_loss: 0.3679 loss_cls: 0.05437 loss_box_reg: 0.2148
loss_rpn_cls: 0.009213 loss_rpn_loc: 0.09173 time: 0.5092
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last_time: 0.4956 data_time: 0.0111 last_data_time: 0.0177 lr:
0.00025 max_mem: 2458M
[07/21 23:28:45 d2.utils.events]: eta: 0:26:20 iter: 6959
total_loss: 0.4227 loss_cls: 0.06034 loss_box_reg: 0.2475
loss_rpn_cls: 0.008365 loss_rpn_loc: 0.1024 time: 0.5091
last_time: 0.5235 data_time: 0.0094 last_data_time: 0.0065 lr:
0.00025 max_mem: 2458M
[07/21 23:28:55 d2.utils.events]: eta: 0:26:09 iter: 6979
total_loss: 0.4218 loss_cls: 0.05955 loss_box_reg: 0.2367
loss_rpn_cls: 0.0165 loss_rpn_loc: 0.09567 time: 0.5091
last_time: 0.5177 data_time: 0.0096 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
[07/21 23:29:05 d2.utils.events]: eta: 0:25:58 iter: 6999
total_loss: 0.401 loss_cls: 0.05852 loss_box_reg: 0.2213
loss_rpn_cls: 0.01399 loss_rpn_loc: 0.1011 time: 0.5091
last_time: 0.4474 data_time: 0.0084 last_data_time: 0.0083 lr:
0.00025 max_mem: 2458M
[07/21 23:29:15 d2.utils.events]: eta: 0:25:48 iter: 7019
total_loss: 0.4024 loss_cls: 0.05997 loss_box_reg: 0.2147
loss_rpn_cls: 0.01599 loss_rpn_loc: 0.09023 time: 0.5091
last_time: 0.5214 data_time: 0.0073 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
[07/21 23:29:25 d2.utils.events]: eta: 0:25:37 iter: 7039
total_loss: 0.384 loss_cls: 0.05367 loss_box_reg: 0.2234
loss_rpn_cls: 0.01624 loss_rpn_loc: 0.09507 time: 0.5091
last_time: 0.5184 data_time: 0.0143 last_data_time: 0.0071 lr:
0.00025 max_mem: 2458M
[07/21 23:29:36 d2.utils.events]: eta: 0:25:27 iter: 7059
total_loss: 0.3595 loss_cls: 0.05245 loss_box_reg: 0.2028
loss_rpn_cls: 0.01433 loss_rpn_loc: 0.07931 time: 0.5092
last_time: 0.5303 data_time: 0.0130 last_data_time: 0.0061 lr:
0.00025 max_mem: 2458M
[07/21 23:29:46 d2.utils.events]: eta: 0:25:16 iter: 7079
total_loss: 0.3912 loss_cls: 0.06289 loss_box_reg: 0.2284
loss_rpn_cls: 0.0122 loss_rpn_loc: 0.09235 time: 0.5092
last_time: 0.5071 data_time: 0.0154 last_data_time: 0.0264 lr:
0.00025 max_mem: 2458M
[07/21 23:29:56 d2.utils.events]: eta: 0:25:06 iter: 7099
total_loss: 0.3704 loss_cls: 0.05629 loss_box_reg: 0.2067
loss_rpn_cls: 0.0104 loss_rpn_loc: 0.09412 time: 0.5092
last_time: 0.4563 data_time: 0.0128 last_data_time: 0.0074 lr:
0.00025 max_mem: 2458M
[07/21 23:30:06 d2.utils.events]: eta: 0:24:56 iter: 7119
total_loss: 0.3712 loss_cls: 0.05376 loss_box_reg: 0.2162
loss_rpn_cls: 0.01093 loss_rpn_loc: 0.09384 time: 0.5092
last_time: 0.4862 data_time: 0.0097 last_data_time: 0.0087 lr:
0.00025 max_mem: 2458M
[07/21 23:30:17 d2.utils.events]: eta: 0:24:45 iter: 7139
total_loss: 0.3746 loss_cls: 0.06127 loss_box_reg: 0.2193
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loss_rpn_cls: 0.01196 loss_rpn_loc: 0.09085 time: 0.5092
last_time: 0.4919 data_time: 0.0117 last_data_time: 0.0080 lr:
0.00025 max_mem: 2458M
[07/21 23:30:27 d2.utils.events]: eta: 0:24:35 iter: 7159
total_loss: 0.3722 loss_cls: 0.05954 loss_box_reg: 0.2147
loss_rpn_cls: 0.0137 loss_rpn_loc: 0.08966 time: 0.5092
last_time: 0.4753 data_time: 0.0082 last_data_time: 0.0091 lr:
0.00025 max_mem: 2458M
[07/21 23:30:37 d2.utils.events]: eta: 0:24:25 iter: 7179
total_loss: 0.3739 loss_cls: 0.06011 loss_box_reg: 0.2124
loss_rpn_cls: 0.01128 loss_rpn_loc: 0.09058 time: 0.5092
last_time: 0.5279 data_time: 0.0146 last_data_time: 0.0151 lr:
0.00025 max_mem: 2458M
[07/21 23:30:47 d2.utils.events]: eta: 0:24:15 iter: 7199
total_loss: 0.3922 loss_cls: 0.05743 loss_box_reg: 0.2178
loss_rpn_cls: 0.01167 loss_rpn_loc: 0.1009 time: 0.5092
last_time: 0.5182 data_time: 0.0100 last_data_time: 0.0066 lr:
0.00025 max_mem: 2458M
[07/21 23:30:57 d2.utils.events]: eta: 0:24:05 iter: 7219
total_loss: 0.3924 loss_cls: 0.05775 loss_box_reg: 0.2055
loss_rpn_cls: 0.01322 loss_rpn_loc: 0.09838 time: 0.5091
last_time: 0.4999 data_time: 0.0087 last_data_time: 0.0215 lr:
0.00025 max_mem: 2458M
[07/21 23:31:08 d2.utils.events]: eta: 0:23:55 iter: 7239
total_loss: 0.3742 loss_cls: 0.05365 loss_box_reg: 0.2123
loss_rpn_cls: 0.01654 loss_rpn_loc: 0.091 time: 0.5092 last_time:
0.5249 data_time: 0.0096 last_data_time: 0.0084 lr: 0.00025
max_mem: 2458M
[07/21 23:31:18 d2.utils.events]: eta: 0:23:45 iter: 7259
total_loss: 0.37 loss_cls: 0.05797 loss_box_reg: 0.2019
loss_rpn_cls: 0.01495 loss_rpn_loc: 0.08745 time: 0.5092
last_time: 0.4503 data_time: 0.0105 last_data_time: 0.0135 lr:
0.00025 max_mem: 2458M
[07/21 23:31:28 d2.utils.events]: eta: 0:23:34 iter: 7279
total_loss: 0.37 loss_cls: 0.05455 loss_box_reg: 0.2177
loss_rpn_cls: 0.01546 loss_rpn_loc: 0.07811 time: 0.5092
last_time: 0.5285 data_time: 0.0119 last_data_time: 0.0060 lr:
0.00025 max_mem: 2458M
[07/21 23:31:38 d2.utils.events]: eta: 0:23:24 iter: 7299
total_loss: 0.349 loss_cls: 0.05404 loss_box_reg: 0.1983
loss_rpn_cls: 0.01427 loss_rpn_loc: 0.08432 time: 0.5092
last_time: 0.5190 data_time: 0.0085 last_data_time: 0.0053 lr:
0.00025 max_mem: 2458M
[07/21 23:31:49 d2.utils.events]: eta: 0:23:13 iter: 7319
total_loss: 0.372 loss_cls: 0.05685 loss_box_reg: 0.2104
loss_rpn_cls: 0.01492 loss_rpn_loc: 0.0846 time: 0.5092
last_time: 0.5139 data_time: 0.0195 last_data_time: 0.0062 lr:
0.00025 max_mem: 2458M
[07/21 23:31:59 d2.utils.events]: eta: 0:23:03 iter: 7339
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total_loss: 0.3561 loss_cls: 0.05456 loss_box_reg: 0.189
loss_rpn_cls: 0.01092 loss_rpn_loc: 0.08743 time: 0.5092
last_time: 0.4831 data_time: 0.0085 last_data_time: 0.0110 lr:
0.00025 max_mem: 2458M
[07/21 23:32:09 d2.utils.events]: eta: 0:22:52 iter: 7359
total_loss: 0.351 loss_cls: 0.05476 loss_box_reg: 0.1925
loss_rpn_cls: 0.01016 loss_rpn_loc: 0.08413 time: 0.5092
last_time: 0.5134 data_time: 0.0089 last_data_time: 0.0052 lr:
0.00025 max_mem: 2458M
[07/21 23:32:20 d2.utils.events]: eta: 0:22:42 iter: 7379
total_loss: 0.3708 loss_cls: 0.05116 loss_box_reg: 0.2095
loss_rpn_cls: 0.01202 loss_rpn_loc: 0.0922 time: 0.5092
last_time: 0.5199 data_time: 0.0143 last_data_time: 0.0063 lr:
0.00025 max_mem: 2458M
[07/21 23:32:30 d2.utils.events]: eta: 0:22:31 iter: 7399
total_loss: 0.3887 loss_cls: 0.05612 loss_box_reg: 0.2156
loss_rpn_cls: 0.0118 loss_rpn_loc: 0.09353 time: 0.5093
last_time: 0.5530 data_time: 0.0150 last_data_time: 0.0312 lr:
0.00025 max_mem: 2458M
[07/21 23:32:40 d2.utils.events]: eta: 0:22:21 iter: 7419
total_loss: 0.3688 loss_cls: 0.05507 loss_box_reg: 0.2015
loss_rpn_cls: 0.01466 loss_rpn_loc: 0.09463 time: 0.5092
last_time: 0.5219 data_time: 0.0070 last_data_time: 0.0058 lr:
0.00025 max_mem: 2458M
[07/21 23:32:50 d2.utils.events]: eta: 0:22:11 iter: 7439
total_loss: 0.3401 loss_cls: 0.0494 loss_box_reg: 0.1963
loss_rpn_cls: 0.0123 loss_rpn_loc: 0.08358 time: 0.5093
last_time: 0.5275 data_time: 0.0129 last_data_time: 0.0054 lr:
0.00025 max_mem: 2458M
[07/21 23:33:01 d2.utils.events]: eta: 0:22:01 iter: 7459
total_loss: 0.3531 loss_cls: 0.05429 loss_box_reg: 0.1877
loss_rpn_cls: 0.01508 loss_rpn_loc: 0.08193 time: 0.5093
last_time: 0.5137 data_time: 0.0124 last_data_time: 0.0059 lr:
0.00025 max_mem: 2458M
[07/21 23:33:11 d2.utils.events]: eta: 0:21:51 iter: 7479
total_loss: 0.3587 loss_cls: 0.0524 loss_box_reg: 0.2082
loss_rpn_cls: 0.01203 loss_rpn_loc: 0.07947 time: 0.5093
last_time: 0.5093 data_time: 0.0089 last_data_time: 0.0299 lr:
0.00025 max_mem: 2458M
[07/21 23:33:21 d2.utils.events]: eta: 0:21:41 iter: 7499
total_loss: 0.3485 loss_cls: 0.05421 loss_box_reg: 0.1909
loss_rpn_cls: 0.01118 loss_rpn_loc: 0.08795 time: 0.5093
last_time: 0.5223 data_time: 0.0107 last_data_time: 0.0054 lr:
0.00025 max_mem: 2458M
[07/21 23:33:31 d2.utils.events]: eta: 0:21:30 iter: 7519
total_loss: 0.3618 loss_cls: 0.05116 loss_box_reg: 0.193
loss_rpn_cls: 0.01449 loss_rpn_loc: 0.08494 time: 0.5093
last_time: 0.5106 data_time: 0.0144 last_data_time: 0.0058 lr:
0.00025 max_mem: 2458M
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[07/21 23:33:42 d2.utils.events]: eta: 0:21:20 iter: 7539
total_loss: 0.3611 loss_cls: 0.05538 loss_box_reg: 0.2055
loss_rpn_cls: 0.007594 loss_rpn_loc: 0.09445 time: 0.5093
last_time: 0.5557 data_time: 0.0128 last_data_time: 0.0119 lr:
0.00025 max_mem: 2458M
[07/21 23:33:52 d2.utils.events]: eta: 0:21:09 iter: 7559
total_loss: 0.3663 loss_cls: 0.05365 loss_box_reg: 0.2086
loss_rpn_cls: 0.01428 loss_rpn_loc: 0.09105 time: 0.5093
last_time: 0.5261 data_time: 0.0089 last_data_time: 0.0052 lr:
0.00025 max_mem: 2458M
[07/21 23:34:02 d2.utils.events]: eta: 0:20:59 iter: 7579
total_loss: 0.3699 loss_cls: 0.04982 loss_box_reg: 0.1988
loss_rpn_cls: 0.01488 loss_rpn_loc: 0.09103 time: 0.5093
last_time: 0.4185 data_time: 0.0140 last_data_time: 0.0143 lr:
0.00025 max_mem: 2458M
[07/21 23:34:13 d2.utils.events]: eta: 0:20:49 iter: 7599
total_loss: 0.366 loss_cls: 0.05119 loss_box_reg: 0.2075
loss_rpn_cls: 0.01328 loss_rpn_loc: 0.08983 time: 0.5093
last_time: 0.5357 data_time: 0.0138 last_data_time: 0.0260 lr:
0.00025 max_mem: 2458M
[07/21 23:34:23 d2.utils.events]: eta: 0:20:38 iter: 7619
total_loss: 0.3402 loss_cls: 0.0565 loss_box_reg: 0.189
loss_rpn_cls: 0.01071 loss_rpn_loc: 0.08648 time: 0.5093
last_time: 0.5276 data_time: 0.0079 last_data_time: 0.0082 lr:
0.00025 max_mem: 2458M
[07/21 23:34:33 d2.utils.events]: eta: 0:20:28 iter: 7639
total_loss: 0.341 loss_cls: 0.04972 loss_box_reg: 0.1993
loss_rpn_cls: 0.0178 loss_rpn_loc: 0.07754 time: 0.5094
last_time: 0.4774 data_time: 0.0135 last_data_time: 0.0100 lr:
0.00025 max_mem: 2458M
[07/21 23:34:44 d2.utils.events]: eta: 0:20:17 iter: 7659
total_loss: 0.3255 loss_cls: 0.05045 loss_box_reg: 0.1938
loss_rpn_cls: 0.01379 loss_rpn_loc: 0.08031 time: 0.5094
last_time: 0.5218 data_time: 0.0131 last_data_time: 0.0063 lr:
0.00025 max_mem: 2458M
[07/21 23:34:54 d2.utils.events]: eta: 0:20:07 iter: 7679
total_loss: 0.3537 loss_cls: 0.05531 loss_box_reg: 0.1997
loss_rpn_cls: 0.01597 loss_rpn_loc: 0.08674 time: 0.5094
last_time: 0.5284 data_time: 0.0071 last_data_time: 0.0054 lr:
0.00025 max_mem: 2458M
[07/21 23:35:04 d2.utils.events]: eta: 0:19:57 iter: 7699
total_loss: 0.3298 loss_cls: 0.04943 loss_box_reg: 0.1901
loss_rpn_cls: 0.01378 loss_rpn_loc: 0.07591 time: 0.5094
last_time: 0.5114 data_time: 0.0092 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
[07/21 23:35:14 d2.utils.events]: eta: 0:19:46 iter: 7719
total_loss: 0.343 loss_cls: 0.0528 loss_box_reg: 0.1926
loss_rpn_cls: 0.01095 loss_rpn_loc: 0.08332 time: 0.5094
last_time: 0.5145 data_time: 0.0147 last_data_time: 0.0057 lr:
```

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0.00025 max_mem: 2458M
[07/21 23:35:24 d2.utils.events]: eta: 0:19:36 iter: 7739
total_loss: 0.3518 loss_cls: 0.04845 loss_box_reg: 0.1914
loss_rpn_cls: 0.01271 loss_rpn_loc: 0.0897 time: 0.5094
last_time: 0.5325 data_time: 0.0140 last_data_time: 0.0261 lr:
0.00025 max_mem: 2458M
[07/21 23:35:35 d2.utils.events]: eta: 0:19:26 iter: 7759
total_loss: 0.3063 loss_cls: 0.04451 loss_box_reg: 0.1792
loss_rpn_cls: 0.01365 loss_rpn_loc: 0.07751 time: 0.5094
last_time: 0.5304 data_time: 0.0078 last_data_time: 0.0057 lr:
0.00025 max_mem: 2458M
[07/21 23:35:45 d2.utils.events]: eta: 0:19:15 iter: 7779
total_loss: 0.3373 loss_cls: 0.05275 loss_box_reg: 0.1844
loss_rpn_cls: 0.01532 loss_rpn_loc: 0.08334 time: 0.5094
last_time: 0.4118 data_time: 0.0131 last_data_time: 0.0052 lr:
0.00025 max_mem: 2458M
[07/21 23:35:55 d2.utils.events]: eta: 0:19:05 iter: 7799
total_loss: 0.3444 loss_cls: 0.05451 loss_box_reg: 0.1799
loss_rpn_cls: 0.01465 loss_rpn_loc: 0.08559 time: 0.5095
last_time: 0.5479 data_time: 0.0135 last_data_time: 0.0275 lr:
0.00025 max_mem: 2458M
[07/21 23:36:06 d2.utils.events]: eta: 0:18:55 iter: 7819
total_loss: 0.3364 loss_cls: 0.04805 loss_box_reg: 0.1844
loss_rpn_cls: 0.01402 loss_rpn_loc: 0.0844 time: 0.5094
last_time: 0.5333 data_time: 0.0098 last_data_time: 0.0059 lr:
0.00025 max_mem: 2458M
[07/21 23:36:16 d2.utils.events]: eta: 0:18:44 iter: 7839
total_loss: 0.3742 loss_cls: 0.05462 loss_box_reg: 0.199
loss_rpn_cls: 0.0135 loss_rpn_loc: 0.09542 time: 0.5094
last_time: 0.4538 data_time: 0.0118 last_data_time: 0.0057 lr:
0.00025 max_mem: 2458M
[07/21 23:36:26 d2.utils.events]: eta: 0:18:34 iter: 7859
total_loss: 0.316 loss_cls: 0.05039 loss_box_reg: 0.185
loss_rpn_cls: 0.009601 loss_rpn_loc: 0.0799 time: 0.5095
last_time: 0.4168 data_time: 0.0161 last_data_time: 0.0056 lr:
0.00025 max_mem: 2458M
[07/21 23:36:36 d2.utils.events]: eta: 0:18:24 iter: 7879
total_loss: 0.3429 loss_cls: 0.04658 loss_box_reg: 0.2017
loss_rpn_cls: 0.0121 loss_rpn_loc: 0.08648 time: 0.5095
last_time: 0.5281 data_time: 0.0082 last_data_time: 0.0162 lr:
0.00025 max_mem: 2458M
[07/21 23:36:47 d2.utils.events]: eta: 0:18:13 iter: 7899
total_loss: 0.3519 loss_cls: 0.05165 loss_box_reg: 0.2124
loss_rpn_cls: 0.01323 loss_rpn_loc: 0.08374 time: 0.5095
last_time: 0.5173 data_time: 0.0079 last_data_time: 0.0060 lr:
0.00025 max_mem: 2458M
[07/21 23:36:57 d2.utils.events]: eta: 0:18:03 iter: 7919
total_loss: 0.3294 loss_cls: 0.04721 loss_box_reg: 0.1808
loss_rpn_cls: 0.01099 loss_rpn_loc: 0.08596 time: 0.5095
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last_time: 0.5257 data_time: 0.0093 last_data_time: 0.0074 lr:
0.00025 max_mem: 2458M
[07/21 23:37:07 d2.utils.events]: eta: 0:17:52 iter: 7939
total_loss: 0.334 loss_cls: 0.05451 loss_box_reg: 0.1967
loss_rpn_cls: 0.01616 loss_rpn_loc: 0.07818 time: 0.5095
last_time: 0.5410 data_time: 0.0100 last_data_time: 0.0287 lr:
0.00025 max_mem: 2458M
[07/21 23:37:17 d2.utils.events]: eta: 0:17:42 iter: 7959
total_loss: 0.3151 loss_cls: 0.0472 loss_box_reg: 0.1761
loss_rpn_cls: 0.01128 loss_rpn_loc: 0.07576 time: 0.5095
last_time: 0.4759 data_time: 0.0096 last_data_time: 0.0053 lr:
0.00025 max_mem: 2458M
[07/21 23:37:27 d2.utils.events]: eta: 0:17:32 iter: 7979
total_loss: 0.3493 loss_cls: 0.04995 loss_box_reg: 0.1842
loss_rpn_cls: 0.01481 loss_rpn_loc: 0.08015 time: 0.5095
last_time: 0.5385 data_time: 0.0141 last_data_time: 0.0144 lr:
0.00025 max_mem: 2458M
[07/21 23:37:38 d2.utils.events]: eta: 0:17:21 iter: 7999
total_loss: 0.307 loss_cls: 0.0481 loss_box_reg: 0.1794
loss_rpn_cls: 0.01116 loss_rpn_loc: 0.07698 time: 0.5095
last_time: 0.5489 data_time: 0.0125 last_data_time: 0.0243 lr:
0.00025 max_mem: 2458M
[07/21 23:37:48 d2.utils.events]: eta: 0:17:11 iter: 8019
total_loss: 0.3396 loss_cls: 0.0499 loss_box_reg: 0.1926
loss_rpn_cls: 0.01294 loss_rpn_loc: 0.08486 time: 0.5095
last_time: 0.5212 data_time: 0.0082 last_data_time: 0.0071 lr:
0.00025 max_mem: 2458M
[07/21 23:37:59 d2.utils.events]: eta: 0:17:01 iter: 8039
total_loss: 0.3193 loss_cls: 0.04196 loss_box_reg: 0.1751
loss_rpn_cls: 0.01243 loss_rpn_loc: 0.07611 time: 0.5095
last_time: 0.5181 data_time: 0.0124 last_data_time: 0.0091 lr:
0.00025 max_mem: 2458M
[07/21 23:38:09 d2.utils.events]: eta: 0:16:50 iter: 8059
total_loss: 0.3283 loss_cls: 0.04765 loss_box_reg: 0.1892
loss_rpn_cls: 0.01436 loss_rpn_loc: 0.08462 time: 0.5095
last_time: 0.5186 data_time: 0.0129 last_data_time: 0.0060 lr:
0.00025 max_mem: 2458M
[07/21 23:38:19 d2.utils.events]: eta: 0:16:40 iter: 8079
total_loss: 0.3255 loss_cls: 0.04991 loss_box_reg: 0.1926
loss_rpn_cls: 0.01148 loss_rpn_loc: 0.07751 time: 0.5095
last_time: 0.5361 data_time: 0.0072 last_data_time: 0.0172 lr:
0.00025 max_mem: 2458M
[07/21 23:38:29 d2.utils.events]: eta: 0:16:29 iter: 8099
total_loss: 0.3444 loss_cls: 0.04603 loss_box_reg: 0.1968
loss_rpn_cls: 0.01629 loss_rpn_loc: 0.08595 time: 0.5095
last_time: 0.5271 data_time: 0.0134 last_data_time: 0.0065 lr:
0.00025 max_mem: 2458M
[07/21 23:38:39 d2.utils.events]: eta: 0:16:19 iter: 8119
total_loss: 0.3396 loss_cls: 0.05089 loss_box_reg: 0.1784
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loss_rpn_cls: 0.01727 loss_rpn_loc: 0.07774 time: 0.5095
last_time: 0.4773 data_time: 0.0144 last_data_time: 0.0064 lr:
0.00025 max_mem: 2458M
[07/21 23:38:50 d2.utils.events]: eta: 0:16:09 iter: 8139
total_loss: 0.326 loss_cls: 0.04772 loss_box_reg: 0.1785
loss_rpn_cls: 0.01633 loss_rpn_loc: 0.07991 time: 0.5096
last_time: 0.5373 data_time: 0.0140 last_data_time: 0.0163 lr:
0.00025 max_mem: 2458M
[07/21 23:39:00 d2.utils.events]: eta: 0:15:58 iter: 8159
total_loss: 0.3245 loss_cls: 0.04743 loss_box_reg: 0.1772
loss_rpn_cls: 0.01412 loss_rpn_loc: 0.08472 time: 0.5095
last_time: 0.5257 data_time: 0.0104 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
[07/21 23:39:10 d2.utils.events]: eta: 0:15:48 iter: 8179
total_loss: 0.293 loss_cls: 0.04285 loss_box_reg: 0.1615
loss_rpn_cls: 0.009251 loss_rpn_loc: 0.0738 time: 0.5095
last_time: 0.5270 data_time: 0.0105 last_data_time: 0.0130 lr:
0.00025 max_mem: 2458M
[07/21 23:39:20 d2.utils.events]: eta: 0:15:37 iter: 8199
total_loss: 0.337 loss_cls: 0.05352 loss_box_reg: 0.2002
loss_rpn_cls: 0.01455 loss_rpn_loc: 0.0799 time: 0.5095
last_time: 0.5158 data_time: 0.0098 last_data_time: 0.0063 lr:
0.00025 max_mem: 2458M
[07/21 23:39:30 d2.utils.events]: eta: 0:15:27 iter: 8219
total_loss: 0.3171 loss_cls: 0.04823 loss_box_reg: 0.1733
loss_rpn_cls: 0.01252 loss_rpn_loc: 0.08226 time: 0.5095
last_time: 0.5409 data_time: 0.0080 last_data_time: 0.0197 lr:
0.00025 max_mem: 2458M
[07/21 23:39:41 d2.utils.events]: eta: 0:15:16 iter: 8239
total_loss: 0.3425 loss_cls: 0.05331 loss_box_reg: 0.1919
loss_rpn_cls: 0.01304 loss_rpn_loc: 0.08768 time: 0.5096
last_time: 0.5251 data_time: 0.0175 last_data_time: 0.0056 lr:
0.00025 max_mem: 2458M
[07/21 23:39:51 d2.utils.events]: eta: 0:15:06 iter: 8259
total_loss: 0.3395 loss_cls: 0.04578 loss_box_reg: 0.187
loss_rpn_cls: 0.0192 loss_rpn_loc: 0.07988 time: 0.5095
last_time: 0.5492 data_time: 0.0104 last_data_time: 0.0275 lr:
0.00025 max_mem: 2458M
[07/21 23:40:01 d2.utils.events]: eta: 0:14:55 iter: 8279
total_loss: 0.3519 loss_cls: 0.0456 loss_box_reg: 0.191
loss_rpn_cls: 0.01542 loss_rpn_loc: 0.09113 time: 0.5095
last_time: 0.4783 data_time: 0.0090 last_data_time: 0.0060 lr:
0.00025 max_mem: 2458M
[07/21 23:40:12 d2.utils.events]: eta: 0:14:45 iter: 8299
total_loss: 0.3408 loss_cls: 0.04855 loss_box_reg: 0.1952
loss_rpn_cls: 0.01265 loss_rpn_loc: 0.08438 time: 0.5096
last_time: 0.5195 data_time: 0.0104 last_data_time: 0.0056 lr:
0.00025 max_mem: 2458M
[07/21 23:40:22 d2.utils.events]: eta: 0:14:34 iter: 8319
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total_loss: 0.34 loss_cls: 0.05301 loss_box_reg: 0.1965
loss_rpn_cls: 0.01149 loss_rpn_loc: 0.08927 time: 0.5095
last_time: 0.5139 data_time: 0.0108 last_data_time: 0.0071 lr:
0.00025 max_mem: 2458M
[07/21 23:40:32 d2.utils.events]: eta: 0:14:24 iter: 8339
total_loss: 0.3127 loss_cls: 0.04661 loss_box_reg: 0.1645
loss_rpn_cls: 0.01318 loss_rpn_loc: 0.0737 time: 0.5096
last_time: 0.5399 data_time: 0.0085 last_data_time: 0.0080 lr:
0.00025 max_mem: 2458M
[07/21 23:40:42 d2.utils.events]: eta: 0:14:14 iter: 8359
total_loss: 0.3039 loss_cls: 0.04637 loss_box_reg: 0.1687
loss_rpn_cls: 0.01423 loss_rpn_loc: 0.07338 time: 0.5095
last_time: 0.4193 data_time: 0.0095 last_data_time: 0.0054 lr:
0.00025 max_mem: 2458M
[07/21 23:40:52 d2.utils.events]: eta: 0:14:03 iter: 8379
total_loss: 0.3497 loss_cls: 0.05216 loss_box_reg: 0.1819
loss_rpn_cls: 0.01122 loss_rpn_loc: 0.08552 time: 0.5096
last_time: 0.5193 data_time: 0.0099 last_data_time: 0.0054 lr:
0.00025 max_mem: 2458M
[07/21 23:41:02 d2.utils.events]: eta: 0:13:53 iter: 8399
total_loss: 0.3116 loss_cls: 0.04303 loss_box_reg: 0.1811
loss_rpn_cls: 0.01905 loss_rpn_loc: 0.07932 time: 0.5095
last_time: 0.4950 data_time: 0.0112 last_data_time: 0.0166 lr:
0.00025 max_mem: 2458M
[07/21 23:41:13 d2.utils.events]: eta: 0:13:43 iter: 8419
total_loss: 0.3005 loss_cls: 0.04394 loss_box_reg: 0.1719
loss_rpn_cls: 0.01085 loss_rpn_loc: 0.07906 time: 0.5096
last_time: 0.5221 data_time: 0.0084 last_data_time: 0.0052 lr:
0.00025 max_mem: 2458M
[07/21 23:41:23 d2.utils.events]: eta: 0:13:32 iter: 8439
total_loss: 0.3344 loss_cls: 0.04698 loss_box_reg: 0.1864
loss_rpn_cls: 0.01461 loss_rpn_loc: 0.07723 time: 0.5096
last_time: 0.5238 data_time: 0.0114 last_data_time: 0.0053 lr:
0.00025 max_mem: 2458M
[07/21 23:41:34 d2.utils.events]: eta: 0:13:22 iter: 8459
total_loss: 0.2891 loss_cls: 0.04645 loss_box_reg: 0.1554
loss_rpn_cls: 0.01197 loss_rpn_loc: 0.07819 time: 0.5096
last_time: 0.5211 data_time: 0.0121 last_data_time: 0.0063 lr:
0.00025 max_mem: 2458M
[07/21 23:41:44 d2.utils.events]: eta: 0:13:11 iter: 8479
total_loss: 0.2899 loss_cls: 0.04158 loss_box_reg: 0.1637
loss_rpn_cls: 0.01346 loss_rpn_loc: 0.07941 time: 0.5096
last_time: 0.5161 data_time: 0.0080 last_data_time: 0.0053 lr:
0.00025 max_mem: 2458M
[07/21 23:41:54 d2.utils.events]: eta: 0:13:01 iter: 8499
total_loss: 0.2854 loss_cls: 0.04803 loss_box_reg: 0.1551
loss_rpn_cls: 0.01301 loss_rpn_loc: 0.07557 time: 0.5096
last_time: 0.5251 data_time: 0.0104 last_data_time: 0.0063 lr:
0.00025 max_mem: 2458M
[07/21 23:42:04 d2.utils.events]: eta: 0:12:51 iter: 8519
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total_loss: 0.3266 loss_cls: 0.04938 loss_box_reg: 0.1804
loss_rpn_cls: 0.01331 loss_rpn_loc: 0.0774 time: 0.5096
last_time: 0.5249 data_time: 0.0103 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
[07/21 23:42:15 d2.utils.events]: eta: 0:12:40 iter: 8539
total_loss: 0.3239 loss_cls: 0.04623 loss_box_reg: 0.1777
loss_rpn_cls: 0.01293 loss_rpn_loc: 0.08366 time: 0.5096
last_time: 0.5506 data_time: 0.0077 last_data_time: 0.0288 lr:
0.00025 max_mem: 2458M
[07/21 23:42:25 d2.utils.events]: eta: 0:12:30 iter: 8559
total_loss: 0.3409 loss_cls: 0.04553 loss_box_reg: 0.1842
loss_rpn_cls: 0.01315 loss_rpn_loc: 0.08434 time: 0.5096
last_time: 0.5197 data_time: 0.0092 last_data_time: 0.0059 lr:
0.00025 max_mem: 2458M
[07/21 23:42:35 d2.utils.events]: eta: 0:12:19 iter: 8579
total_loss: 0.3218 loss_cls: 0.04847 loss_box_reg: 0.18
loss_rpn_cls: 0.01389 loss_rpn_loc: 0.07372 time: 0.5096
last_time: 0.5225 data_time: 0.0099 last_data_time: 0.0060 lr:
0.00025 max_mem: 2458M
[07/21 23:42:45 d2.utils.events]: eta: 0:12:09 iter: 8599
total_loss: 0.3007 loss_cls: 0.04548 loss_box_reg: 0.1648
loss_rpn_cls: 0.009111 loss_rpn_loc: 0.07645 time: 0.5096
last_time: 0.5529 data_time: 0.0133 last_data_time: 0.0329 lr:
0.00025 max_mem: 2458M
[07/21 23:42:55 d2.utils.events]: eta: 0:11:58 iter: 8619
total_loss: 0.3503 loss_cls: 0.04838 loss_box_reg: 0.1971
loss_rpn_cls: 0.01441 loss_rpn_loc: 0.08825 time: 0.5096
last_time: 0.4791 data_time: 0.0068 last_data_time: 0.0082 lr:
0.00025 max_mem: 2458M
[07/21 23:43:05 d2.utils.events]: eta: 0:11:48 iter: 8639
total_loss: 0.3022 loss_cls: 0.04665 loss_box_reg: 0.1658
loss_rpn_cls: 0.01528 loss_rpn_loc: 0.07827 time: 0.5096
last_time: 0.4156 data_time: 0.0121 last_data_time: 0.0067 lr:
0.00025 max_mem: 2458M
[07/21 23:43:16 d2.utils.events]: eta: 0:11:38 iter: 8659
total_loss: 0.32 loss_cls: 0.0442 loss_box_reg: 0.179 loss_rpn_cls:
0.01252 loss_rpn_loc: 0.07683 time: 0.5096 last_time: 0.5274
data_time: 0.0132 last_data_time: 0.0051 lr: 0.00025 max_mem:
2458M
[07/21 23:43:26 d2.utils.events]: eta: 0:11:27 iter: 8679
total_loss: 0.3225 loss_cls: 0.04374 loss_box_reg: 0.1903
loss_rpn_cls: 0.01178 loss_rpn_loc: 0.08384 time: 0.5096
last_time: 0.5519 data_time: 0.0073 last_data_time: 0.0100 lr:
0.00025 max_mem: 2458M
[07/21 23:43:37 d2.utils.events]: eta: 0:11:17 iter: 8699
total_loss: 0.3194 loss_cls: 0.04357 loss_box_reg: 0.1729
loss_rpn_cls: 0.01769 loss_rpn_loc: 0.07935 time: 0.5097
last_time: 0.5187 data_time: 0.0130 last_data_time: 0.0058 lr:
0.00025 max_mem: 2458M
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[07/21 23:43:47 d2.utils.events]: eta: 0:11:07 iter: 8719
total_loss: 0.31 loss_cls: 0.04757 loss_box_reg: 0.1676
loss_rpn_cls: 0.01017 loss_rpn_loc: 0.07949 time: 0.5097
last_time: 0.5188 data_time: 0.0119 last_data_time: 0.0067 lr:
0.00025 max_mem: 2458M
[07/21 23:43:57 d2.utils.events]: eta: 0:10:56 iter: 8739
total_loss: 0.3007 loss_cls: 0.0469 loss_box_reg: 0.1634
loss_rpn_cls: 0.009611 loss_rpn_loc: 0.07331 time: 0.5097
last_time: 0.5361 data_time: 0.0100 last_data_time: 0.0257 lr:
0.00025 max_mem: 2458M
[07/21 23:44:07 d2.utils.events]: eta: 0:10:46 iter: 8759
total_loss: 0.3161 loss_cls: 0.04261 loss_box_reg: 0.1684
loss_rpn_cls: 0.01505 loss_rpn_loc: 0.07873 time: 0.5097
last_time: 0.5223 data_time: 0.0106 last_data_time: 0.0061 lr:
0.00025 max_mem: 2458M
[07/21 23:44:18 d2.utils.events]: eta: 0:10:35 iter: 8779
total_loss: 0.3331 loss_cls: 0.04147 loss_box_reg: 0.1838
loss_rpn_cls: 0.0137 loss_rpn_loc: 0.08175 time: 0.5097
last_time: 0.5217 data_time: 0.0095 last_data_time: 0.0063 lr:
0.00025 max_mem: 2458M
[07/21 23:44:28 d2.utils.events]: eta: 0:10:25 iter: 8799
total_loss: 0.3305 loss_cls: 0.04294 loss_box_reg: 0.1865
loss_rpn_cls: 0.01439 loss_rpn_loc: 0.08412 time: 0.5097
last_time: 0.5384 data_time: 0.0156 last_data_time: 0.0242 lr:
0.00025 max_mem: 2458M
[07/21 23:44:38 d2.utils.events]: eta: 0:10:14 iter: 8819
total_loss: 0.3205 loss_cls: 0.04404 loss_box_reg: 0.1757
loss_rpn_cls: 0.01277 loss_rpn_loc: 0.07503 time: 0.5097
last_time: 0.5194 data_time: 0.0076 last_data_time: 0.0079 lr:
0.00025 max_mem: 2458M
[07/21 23:44:48 d2.utils.events]: eta: 0:10:04 iter: 8839
total_loss: 0.3178 loss_cls: 0.04552 loss_box_reg: 0.1876
loss_rpn_cls: 0.01048 loss_rpn_loc: 0.07856 time: 0.5097
last_time: 0.4647 data_time: 0.0084 last_data_time: 0.0054 lr:
0.00025 max_mem: 2458M
[07/21 23:44:58 d2.utils.events]: eta: 0:09:53 iter: 8859
total_loss: 0.3304 loss_cls: 0.04073 loss_box_reg: 0.184
loss_rpn_cls: 0.01152 loss_rpn_loc: 0.0863 time: 0.5097
last_time: 0.5153 data_time: 0.0125 last_data_time: 0.0064 lr:
0.00025 max_mem: 2458M
[07/21 23:45:09 d2.utils.events]: eta: 0:09:43 iter: 8879
total_loss: 0.2987 loss_cls: 0.04109 loss_box_reg: 0.1742
loss_rpn_cls: 0.01007 loss_rpn_loc: 0.07409 time: 0.5097
last_time: 0.5401 data_time: 0.0105 last_data_time: 0.0272 lr:
0.00025 max_mem: 2458M
[07/21 23:45:19 d2.utils.events]: eta: 0:09:33 iter: 8899
total_loss: 0.2636 loss_cls: 0.03741 loss_box_reg: 0.1452
loss_rpn_cls: 0.009871 loss_rpn_loc: 0.07464 time: 0.5097
last_time: 0.4775 data_time: 0.0078 last_data_time: 0.0082 lr:
```



```
0.00025 max_mem: 2458M
[07/21 23:45:29 d2.utils.events]: eta: 0:09:22 iter: 8919
total_loss: 0.3081 loss_cls: 0.04689 loss_box_reg: 0.1761
loss_rpn_cls: 0.01132 loss_rpn_loc: 0.08825 time: 0.5097
last_time: 0.5208 data_time: 0.0138 last_data_time: 0.0061 lr:
0.00025 max_mem: 2458M
[07/21 23:45:40 d2.utils.events]: eta: 0:09:12 iter: 8939
total_loss: 0.2919 loss_cls: 0.04262 loss_box_reg: 0.1552
loss_rpn_cls: 0.01628 loss_rpn_loc: 0.07755 time: 0.5097
last_time: 0.4834 data_time: 0.0083 last_data_time: 0.0133 lr:
0.00025 max_mem: 2458M
[07/21 23:45:50 d2.utils.events]: eta: 0:09:02 iter: 8959
total_loss: 0.2888 loss_cls: 0.03977 loss_box_reg: 0.1697
loss_rpn_cls: 0.01567 loss_rpn_loc: 0.07441 time: 0.5097
last_time: 0.4559 data_time: 0.0106 last_data_time: 0.0065 lr:
0.00025 max_mem: 2458M
[07/21 23:46:00 d2.utils.events]: eta: 0:08:51 iter: 8979
total_loss: 0.2991 loss_cls: 0.03983 loss_box_reg: 0.1723
loss_rpn_cls: 0.01445 loss_rpn_loc: 0.0815 time: 0.5097
last_time: 0.5297 data_time: 0.0117 last_data_time: 0.0061 lr:
0.00025 max_mem: 2458M
[07/21 23:46:10 d2.utils.events]: eta: 0:08:41 iter: 8999
total_loss: 0.2997 loss_cls: 0.04628 loss_box_reg: 0.1593
loss_rpn_cls: 0.01064 loss_rpn_loc: 0.07188 time: 0.5097
last_time: 0.4883 data_time: 0.0099 last_data_time: 0.0082 lr:
0.00025 max_mem: 2458M
[07/21 23:46:20 d2.utils.events]: eta: 0:08:30 iter: 9019
total_loss: 0.312 loss_cls: 0.04133 loss_box_reg: 0.1584
loss_rpn_cls: 0.01588 loss_rpn_loc: 0.08386 time: 0.5097
last_time: 0.5264 data_time: 0.0082 last_data_time: 0.0060 lr:
0.00025 max_mem: 2458M
[07/21 23:46:31 d2.utils.events]: eta: 0:08:20 iter: 9039
total_loss: 0.2853 loss_cls: 0.0431 loss_box_reg: 0.1539
loss_rpn_cls: 0.01135 loss_rpn_loc: 0.0717 time: 0.5097
last_time: 0.5175 data_time: 0.0104 last_data_time: 0.0084 lr:
0.00025 max_mem: 2458M
[07/21 23:46:41 d2.utils.events]: eta: 0:08:09 iter: 9059
total_loss: 0.2889 loss_cls: 0.04252 loss_box_reg: 0.1609
loss_rpn_cls: 0.0114 loss_rpn_loc: 0.06964 time: 0.5097
last_time: 0.5178 data_time: 0.0145 last_data_time: 0.0050 lr:
0.00025 max_mem: 2458M
[07/21 23:46:51 d2.utils.events]: eta: 0:07:59 iter: 9079
total_loss: 0.2943 loss_cls: 0.04177 loss_box_reg: 0.1662
loss_rpn_cls: 0.01534 loss_rpn_loc: 0.0769 time: 0.5097
last_time: 0.5439 data_time: 0.0099 last_data_time: 0.0267 lr:
0.00025 max_mem: 2458M
[07/21 23:47:01 d2.utils.events]: eta: 0:07:49 iter: 9099
total_loss: 0.2651 loss_cls: 0.04225 loss_box_reg: 0.1419
loss_rpn_cls: 0.01168 loss_rpn_loc: 0.06584 time: 0.5097
```

```
last_time: 0.4514 data_time: 0.0097 last_data_time: 0.0059 lr:
0.00025 max_mem: 2458M
[07/21 23:47:11 d2.utils.events]: eta: 0:07:38 iter: 9119
total_loss: 0.313 loss_cls: 0.04185 loss_box_reg: 0.1755
loss_rpn_cls: 0.009964 loss_rpn_loc: 0.08439 time: 0.5097
last_time: 0.5232 data_time: 0.0118 last_data_time: 0.0068 lr:
0.00025 max_mem: 2458M
[07/21 23:47:22 d2.utils.events]: eta: 0:07:28 iter: 9139
total_loss: 0.2813 loss_cls: 0.04349 loss_box_reg: 0.147
loss_rpn_cls: 0.009711 loss_rpn_loc: 0.07832 time: 0.5098
last_time: 0.4994 data_time: 0.0152 last_data_time: 0.0290 lr:
0.00025 max_mem: 2458M
[07/21 23:47:32 d2.utils.events]: eta: 0:07:17 iter: 9159
total_loss: 0.2856 loss_cls: 0.04021 loss_box_reg: 0.1442
loss_rpn_cls: 0.009039 loss_rpn_loc: 0.0824 time: 0.5098
last_time: 0.5206 data_time: 0.0112 last_data_time: 0.0056 lr:
0.00025 max_mem: 2458M
[07/21 23:47:42 d2.utils.events]: eta: 0:07:07 iter: 9179
total_loss: 0.2681 loss_cls: 0.0397 loss_box_reg: 0.1569
loss_rpn_cls: 0.009255 loss_rpn_loc: 0.07154 time: 0.5098
last_time: 0.5193 data_time: 0.0079 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
[07/21 23:47:53 d2.utils.events]: eta: 0:06:57 iter: 9199
total_loss: 0.2951 loss_cls: 0.04188 loss_box_reg: 0.1604
loss_rpn_cls: 0.01345 loss_rpn_loc: 0.08314 time: 0.5098
last_time: 0.5400 data_time: 0.0113 last_data_time: 0.0292 lr:
0.00025 max_mem: 2458M
[07/21 23:48:03 d2.utils.events]: eta: 0:06:46 iter: 9219
total_loss: 0.2809 loss_cls: 0.04077 loss_box_reg: 0.1605
loss_rpn_cls: 0.008023 loss_rpn_loc: 0.07766 time: 0.5098
last_time: 0.4578 data_time: 0.0094 last_data_time: 0.0084 lr:
0.00025 max_mem: 2458M
[07/21 23:48:13 d2.utils.events]: eta: 0:06:36 iter: 9239
total_loss: 0.2864 loss_cls: 0.04129 loss_box_reg: 0.1534
loss_rpn_cls: 0.01796 loss_rpn_loc: 0.07231 time: 0.5098
last_time: 0.5207 data_time: 0.0095 last_data_time: 0.0075 lr:
0.00025 max_mem: 2458M
[07/21 23:48:24 d2.utils.events]: eta: 0:06:25 iter: 9259
total_loss: 0.2813 loss_cls: 0.04072 loss_box_reg: 0.1526
loss_rpn_cls: 0.00918 loss_rpn_loc: 0.06932 time: 0.5098
last_time: 0.5138 data_time: 0.0160 last_data_time: 0.0079 lr:
0.00025 max_mem: 2458M
[07/21 23:48:34 d2.utils.events]: eta: 0:06:15 iter: 9279
total_loss: 0.2737 loss_cls: 0.03827 loss_box_reg: 0.145
loss_rpn_cls: 0.01596 loss_rpn_loc: 0.07397 time: 0.5098
last_time: 0.5219 data_time: 0.0074 last_data_time: 0.0057 lr:
0.00025 max_mem: 2458M
[07/21 23:48:44 d2.utils.events]: eta: 0:06:04 iter: 9299
total_loss: 0.2891 loss_cls: 0.03811 loss_box_reg: 0.1636
```

```
loss_rpn_cls: 0.01498 loss_rpn_loc: 0.07524 time: 0.5098
last_time: 0.5219 data_time: 0.0129 last_data_time: 0.0072 lr:
0.00025 max_mem: 2458M
[07/21 23:48:55 d2.utils.events]: eta: 0:05:54 iter: 9319
total_loss: 0.3059 loss_cls: 0.04011 loss_box_reg: 0.1671
loss_rpn_cls: 0.01633 loss_rpn_loc: 0.08186 time: 0.5098
last_time: 0.5261 data_time: 0.0124 last_data_time: 0.0066 lr:
0.00025 max_mem: 2458M
[07/21 23:49:05 d2.utils.events]: eta: 0:05:44 iter: 9339
total_loss: 0.3008 loss_cls: 0.04229 loss_box_reg: 0.1734
loss_rpn_cls: 0.0124 loss_rpn_loc: 0.07308 time: 0.5099
last_time: 0.5309 data_time: 0.0146 last_data_time: 0.0209 lr:
0.00025 max_mem: 2458M
[07/21 23:49:15 d2.utils.events]: eta: 0:05:33 iter: 9359
total_loss: 0.3124 loss_cls: 0.04074 loss_box_reg: 0.1674
loss_rpn_cls: 0.01482 loss_rpn_loc: 0.08064 time: 0.5099
last_time: 0.5454 data_time: 0.0107 last_data_time: 0.0270 lr:
0.00025 max_mem: 2458M
[07/21 23:49:26 d2.utils.events]: eta: 0:05:23 iter: 9379
total_loss: 0.3123 loss_cls: 0.03721 loss_box_reg: 0.1693
loss_rpn_cls: 0.01858 loss_rpn_loc: 0.07128 time: 0.5099
last_time: 0.5429 data_time: 0.0146 last_data_time: 0.0132 lr:
0.00025 max_mem: 2458M
[07/21 23:49:36 d2.utils.events]: eta: 0:05:12 iter: 9399
total_loss: 0.3139 loss_cls: 0.04142 loss_box_reg: 0.174
loss_rpn_cls: 0.01396 loss_rpn_loc: 0.08233 time: 0.5099
last_time: 0.5262 data_time: 0.0130 last_data_time: 0.0153 lr:
0.00025 max_mem: 2458M
[07/21 23:49:47 d2.utils.events]: eta: 0:05:02 iter: 9419
total_loss: 0.2853 loss_cls: 0.04199 loss_box_reg: 0.1524
loss_rpn_cls: 0.01459 loss_rpn_loc: 0.07426 time: 0.5100
last_time: 0.5335 data_time: 0.0085 last_data_time: 0.0169 lr:
0.00025 max_mem: 2458M
[07/21 23:49:57 d2.utils.events]: eta: 0:04:52 iter: 9439
total_loss: 0.2785 loss_cls: 0.03926 loss_box_reg: 0.1456
loss_rpn_cls: 0.01436 loss_rpn_loc: 0.07004 time: 0.5100
last_time: 0.5205 data_time: 0.0114 last_data_time: 0.0056 lr:
0.00025 max_mem: 2458M
[07/21 23:50:07 d2.utils.events]: eta: 0:04:41 iter: 9459
total_loss: 0.295 loss_cls: 0.04108 loss_box_reg: 0.1611
loss_rpn_cls: 0.01304 loss_rpn_loc: 0.08252 time: 0.5099
last_time: 0.4722 data_time: 0.0107 last_data_time: 0.0071 lr:
0.00025 max_mem: 2458M
[07/21 23:50:17 d2.utils.events]: eta: 0:04:31 iter: 9479
total_loss: 0.2724 loss_cls: 0.04054 loss_box_reg: 0.1502
loss_rpn_cls: 0.01282 loss_rpn_loc: 0.07217 time: 0.5099
last_time: 0.5468 data_time: 0.0107 last_data_time: 0.0294 lr:
0.00025 max_mem: 2458M
[07/21 23:50:27 d2.utils.events]: eta: 0:04:20 iter: 9499
```

```
total_loss: 0.2756 loss_cls: 0.039 loss_box_reg: 0.1565
loss_rpn_cls: 0.007196 loss_rpn_loc: 0.07749 time: 0.5099
last_time: 0.5142 data_time: 0.0095 last_data_time: 0.0066 lr:
0.00025 max_mem: 2458M
[07/21 23:50:38 d2.utils.events]: eta: 0:04:10 iter: 9519
total_loss: 0.289 loss_cls: 0.04071 loss_box_reg: 0.1523
loss_rpn_cls: 0.0129 loss_rpn_loc: 0.0813 time: 0.5100 last_time:
0.5182 data_time: 0.0168 last_data_time: 0.0071 lr: 0.00025
max_mem: 2458M
[07/21 23:50:48 d2.utils.events]: eta: 0:03:59 iter: 9539
total_loss: 0.3141 loss_cls: 0.04017 loss_box_reg: 0.1832
loss_rpn_cls: 0.01151 loss_rpn_loc: 0.08342 time: 0.5100
last_time: 0.4480 data_time: 0.0136 last_data_time: 0.0064 lr:
0.00025 max_mem: 2458M
[07/21 23:50:59 d2.utils.events]: eta: 0:03:49 iter: 9559
total_loss: 0.2926 loss_cls: 0.03909 loss_box_reg: 0.165
loss_rpn_cls: 0.01069 loss_rpn_loc: 0.06977 time: 0.5100
last_time: 0.5533 data_time: 0.0084 last_data_time: 0.0290 lr:
0.00025 max_mem: 2458M
[07/21 23:51:09 d2.utils.events]: eta: 0:03:39 iter: 9579
total_loss: 0.2687 loss_cls: 0.03774 loss_box_reg: 0.1479
loss_rpn_cls: 0.01346 loss_rpn_loc: 0.07695 time: 0.5100
last_time: 0.5175 data_time: 0.0099 last_data_time: 0.0056 lr:
0.00025 max_mem: 2458M
[07/21 23:51:19 d2.utils.events]: eta: 0:03:28 iter: 9599
total_loss: 0.2853 loss_cls: 0.03857 loss_box_reg: 0.1529
loss_rpn_cls: 0.01339 loss_rpn_loc: 0.06934 time: 0.5100
last_time: 0.4549 data_time: 0.0147 last_data_time: 0.0065 lr:
0.00025 max_mem: 2458M
[07/21 23:51:30 d2.utils.events]: eta: 0:03:18 iter: 9619
total_loss: 0.26 loss_cls: 0.03593 loss_box_reg: 0.1461
loss_rpn_cls: 0.01471 loss_rpn_loc: 0.07124 time: 0.5100
last_time: 0.5293 data_time: 0.0070 last_data_time: 0.0060 lr:
0.00025 max_mem: 2458M
[07/21 23:51:40 d2.utils.events]: eta: 0:03:07 iter: 9639
total_loss: 0.2752 loss_cls: 0.04205 loss_box_reg: 0.1461
loss_rpn_cls: 0.01279 loss_rpn_loc: 0.07211 time: 0.5100
last_time: 0.5276 data_time: 0.0099 last_data_time: 0.0065 lr:
0.00025 max_mem: 2458M
[07/21 23:51:50 d2.utils.events]: eta: 0:02:57 iter: 9659
total_loss: 0.2567 loss_cls: 0.03886 loss_box_reg: 0.1465
loss_rpn_cls: 0.008313 loss_rpn_loc: 0.06897 time: 0.5101
last_time: 0.5243 data_time: 0.0118 last_data_time: 0.0079 lr:
0.00025 max_mem: 2458M
[07/21 23:52:01 d2.utils.events]: eta: 0:02:46 iter: 9679
total_loss: 0.2799 loss_cls: 0.0409 loss_box_reg: 0.153
loss_rpn_cls: 0.008139 loss_rpn_loc: 0.07271 time: 0.5101
last_time: 0.5417 data_time: 0.0120 last_data_time: 0.0268 lr:
0.00025 max_mem: 2458M
```

```
[07/21 23:52:11 d2.utils.events]: eta: 0:02:36 iter: 9699
total_loss: 0.2736 loss_cls: 0.03546 loss_box_reg: 0.1559
loss_rpn_cls: 0.009882 loss_rpn_loc: 0.06699 time: 0.5101
last_time: 0.5234 data_time: 0.0083 last_data_time: 0.0060 lr:
0.00025 max_mem: 2458M
[07/21 23:52:21 d2.utils.events]: eta: 0:02:26 iter: 9719
total_loss: 0.2689 loss_cls: 0.03929 loss_box_reg: 0.1432
loss_rpn_cls: 0.01125 loss_rpn_loc: 0.07745 time: 0.5101
last_time: 0.4200 data_time: 0.0138 last_data_time: 0.0065 lr:
0.00025 max_mem: 2458M
[07/21 23:52:32 d2.utils.events]: eta: 0:02:15 iter: 9739
total_loss: 0.2994 loss_cls: 0.03533 loss_box_reg: 0.1624
loss_rpn_cls: 0.01245 loss_rpn_loc: 0.06944 time: 0.5101
last_time: 0.5204 data_time: 0.0148 last_data_time: 0.0055 lr:
0.00025 max_mem: 2458M
[07/21 23:52:42 d2.utils.events]: eta: 0:02:05 iter: 9759
total_loss: 0.3091 loss_cls: 0.0429 loss_box_reg: 0.1696
loss_rpn_cls: 0.008413 loss_rpn_loc: 0.07751 time: 0.5101
last_time: 0.4928 data_time: 0.0131 last_data_time: 0.0284 lr:
0.00025 max_mem: 2458M
[07/21 23:52:52 d2.utils.events]: eta: 0:01:54 iter: 9779
total_loss: 0.2521 loss_cls: 0.03725 loss_box_reg: 0.1359
loss_rpn_cls: 0.01179 loss_rpn_loc: 0.07224 time: 0.5101
last_time: 0.5166 data_time: 0.0081 last_data_time: 0.0061 lr:
0.00025 max_mem: 2458M
[07/21 23:53:02 d2.utils.events]: eta: 0:01:44 iter: 9799
total_loss: 0.2671 loss_cls: 0.03627 loss_box_reg: 0.1408
loss_rpn_cls: 0.01401 loss_rpn_loc: 0.06431 time: 0.5101
last_time: 0.5338 data_time: 0.0129 last_data_time: 0.0066 lr:
0.00025 max_mem: 2458M
[07/21 23:53:13 d2.utils.events]: eta: 0:01:33 iter: 9819
total_loss: 0.2603 loss_cls: 0.04103 loss_box_reg: 0.1387
loss_rpn_cls: 0.01096 loss_rpn_loc: 0.06974 time: 0.5101
last_time: 0.5407 data_time: 0.0156 last_data_time: 0.0271 lr:
0.00025 max_mem: 2458M
[07/21 23:53:23 d2.utils.events]: eta: 0:01:23 iter: 9839
total_loss: 0.2758 loss_cls: 0.04047 loss_box_reg: 0.1396
loss_rpn_cls: 0.01722 loss_rpn_loc: 0.0783 time: 0.5101
last_time: 0.4818 data_time: 0.0094 last_data_time: 0.0063 lr:
0.00025 max_mem: 2458M
[07/21 23:53:33 d2.utils.events]: eta: 0:01:13 iter: 9859
total_loss: 0.2535 loss_cls: 0.03692 loss_box_reg: 0.1433
loss_rpn_cls: 0.007238 loss_rpn_loc: 0.07069 time: 0.5101
last_time: 0.4480 data_time: 0.0144 last_data_time: 0.0071 lr:
0.00025 max_mem: 2458M
[07/21 23:53:44 d2.utils.events]: eta: 0:01:02 iter: 9879
total_loss: 0.2824 loss_cls: 0.04153 loss_box_reg: 0.1607
loss_rpn_cls: 0.01389 loss_rpn_loc: 0.07516 time: 0.5102
last_time: 0.5346 data_time: 0.0134 last_data_time: 0.0177 lr:
```

```

0.00025 max_mem: 2458M
[07/21 23:53:54 d2.utils.events]: eta: 0:00:52 iter: 9899
total_loss: 0.2275 loss_cls: 0.0336 loss_box_reg: 0.1235
loss_rpn_cls: 0.008548 loss_rpn_loc: 0.06663 time: 0.5102
last_time: 0.5474 data_time: 0.0112 last_data_time: 0.0198 lr:
0.00025 max_mem: 2458M
[07/21 23:54:04 d2.utils.events]: eta: 0:00:41 iter: 9919
total_loss: 0.26 loss_cls: 0.03809 loss_box_reg: 0.1397
loss_rpn_cls: 0.01038 loss_rpn_loc: 0.07088 time: 0.5102
last_time: 0.5273 data_time: 0.0115 last_data_time: 0.0100 lr:
0.00025 max_mem: 2458M
[07/21 23:54:15 d2.utils.events]: eta: 0:00:31 iter: 9939
total_loss: 0.2469 loss_cls: 0.03253 loss_box_reg: 0.1355
loss_rpn_cls: 0.01617 loss_rpn_loc: 0.06573 time: 0.5102
last_time: 0.5246 data_time: 0.0153 last_data_time: 0.0083 lr:
0.00025 max_mem: 2458M
[07/21 23:54:25 d2.utils.events]: eta: 0:00:20 iter: 9959
total_loss: 0.267 loss_cls: 0.03984 loss_box_reg: 0.1435
loss_rpn_cls: 0.0128 loss_rpn_loc: 0.06708 time: 0.5102
last_time: 0.5308 data_time: 0.0110 last_data_time: 0.0094 lr:
0.00025 max_mem: 2458M
[07/21 23:54:35 d2.utils.events]: eta: 0:00:10 iter: 9979
total_loss: 0.2556 loss_cls: 0.03511 loss_box_reg: 0.138
loss_rpn_cls: 0.01115 loss_rpn_loc: 0.0687 time: 0.5102
last_time: 0.5271 data_time: 0.0077 last_data_time: 0.0078 lr:
0.00025 max_mem: 2458M
[07/21 23:54:49 d2.utils.events]: eta: 0:00:00 iter: 9999
total_loss: 0.2467 loss_cls: 0.0358 loss_box_reg: 0.1336
loss_rpn_cls: 0.01262 loss_rpn_loc: 0.06332 time: 0.5102
last_time: 0.5296 data_time: 0.0129 last_data_time: 0.0059 lr:
0.00025 max_mem: 2458M
[07/21 23:54:49 d2.engine.hooks]: Overall training speed: 9998
iterations in 1:25:01 (0.5102 s / it)
[07/21 23:54:49 d2.engine.hooks]: Total training time: 1:25:16
(0:00:15 on hooks)

```

Look at training curves in tensorboard:

```

%load_ext tensorboard
%tensorboard --logdir output

```

<IPython.core.display.Javascript object>

```

cfg.MODEL.WEIGHTS = os.path.join(cfg.OUTPUT_DIR, "model_final.pth")
cfg.MODEL.ROI_HEADS.SCORE_THRESH_TEST = 0.5
cfg.DATASETS.TEST = ("p_test", )
predictor = DefaultPredictor(cfg)

```

```

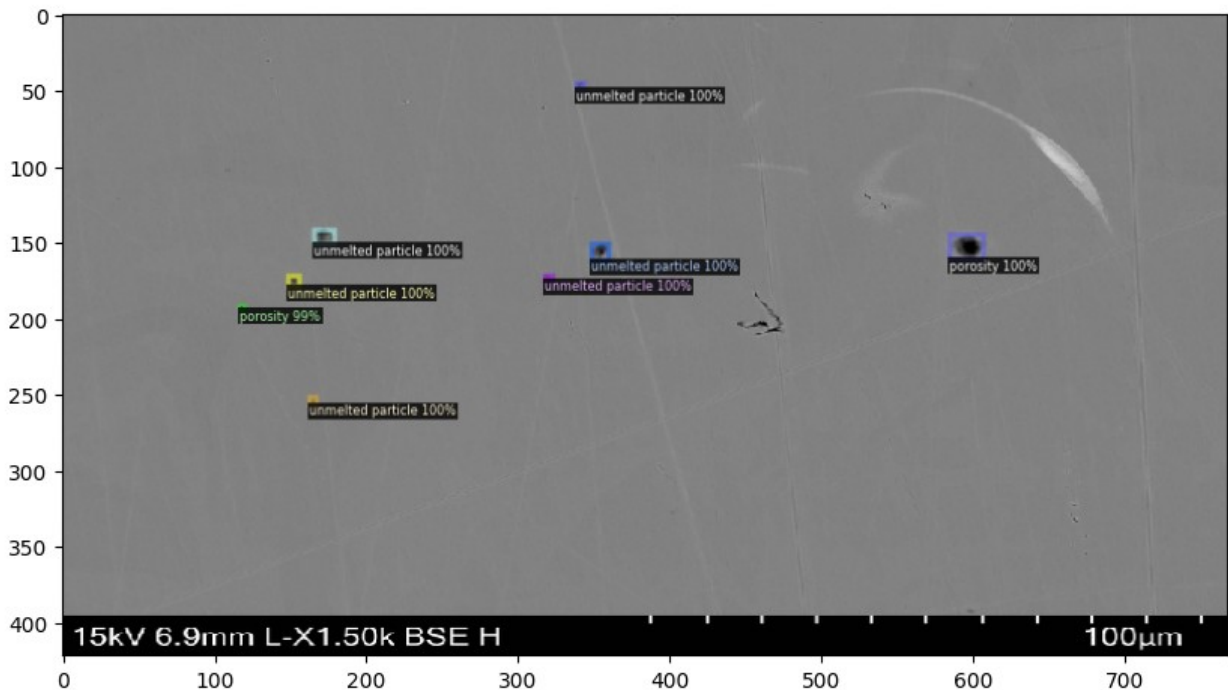
[07/21 23:55:17 d2.checkpoint.detection_checkpoint]:
[DetectionCheckpointer] Loading from ./output/model_final.pth ...

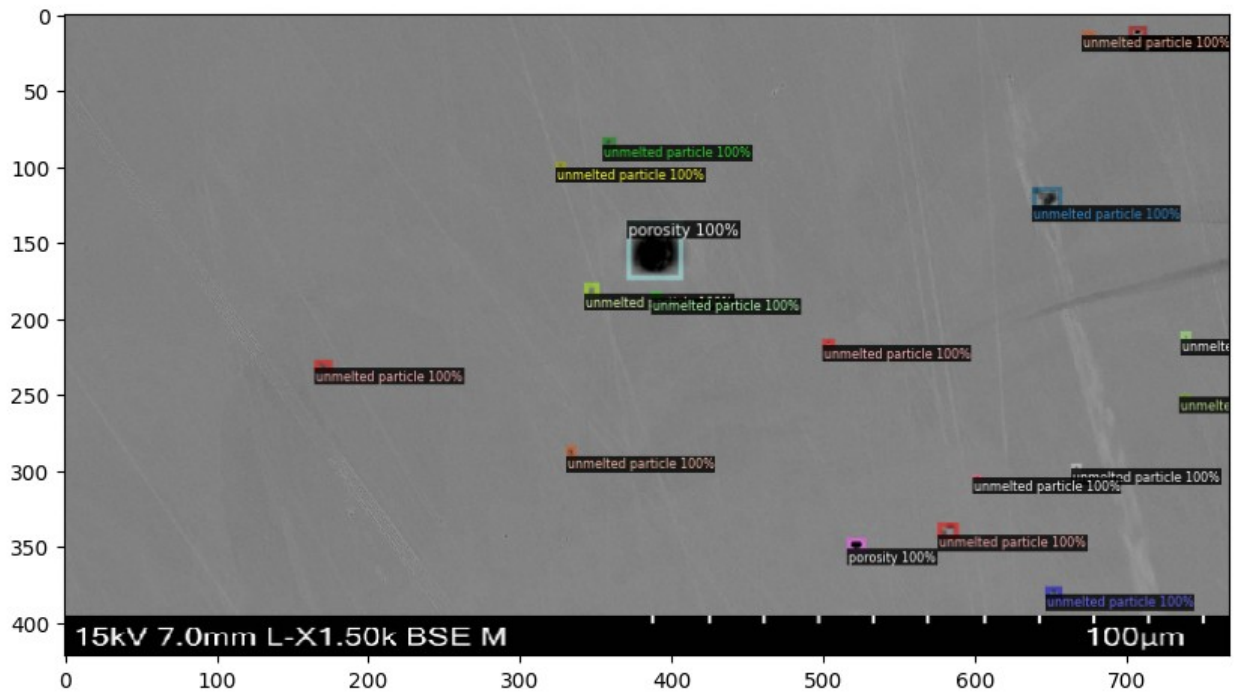
```

```

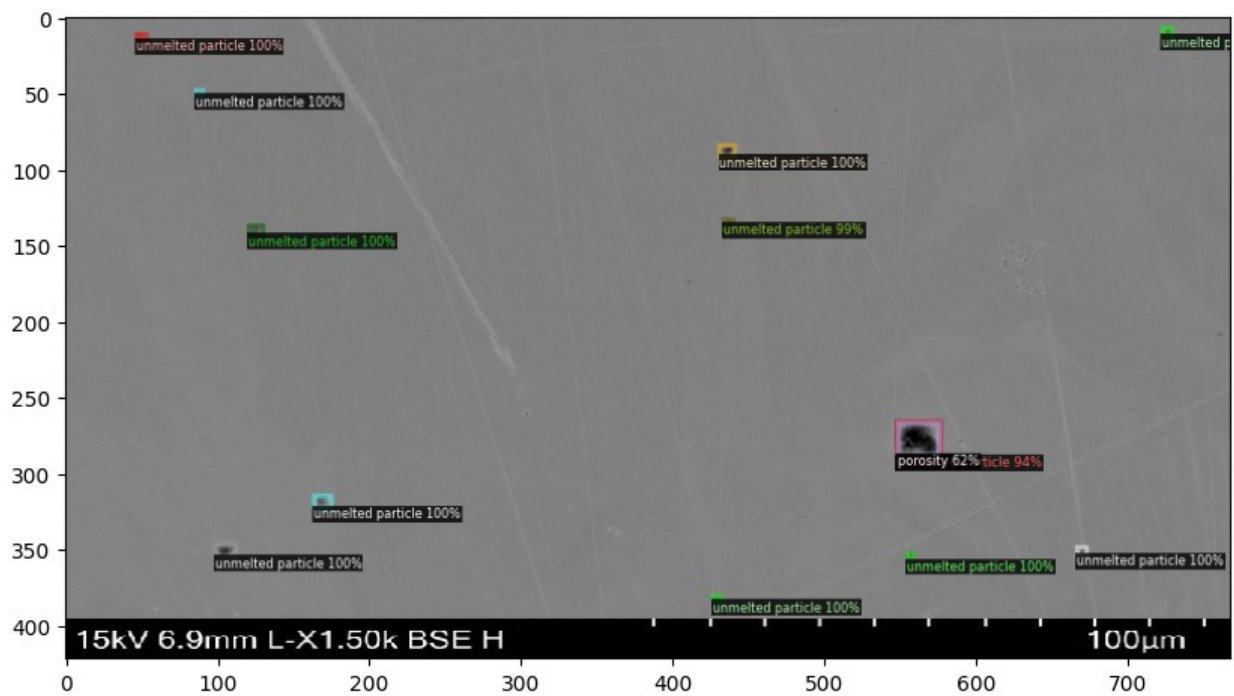
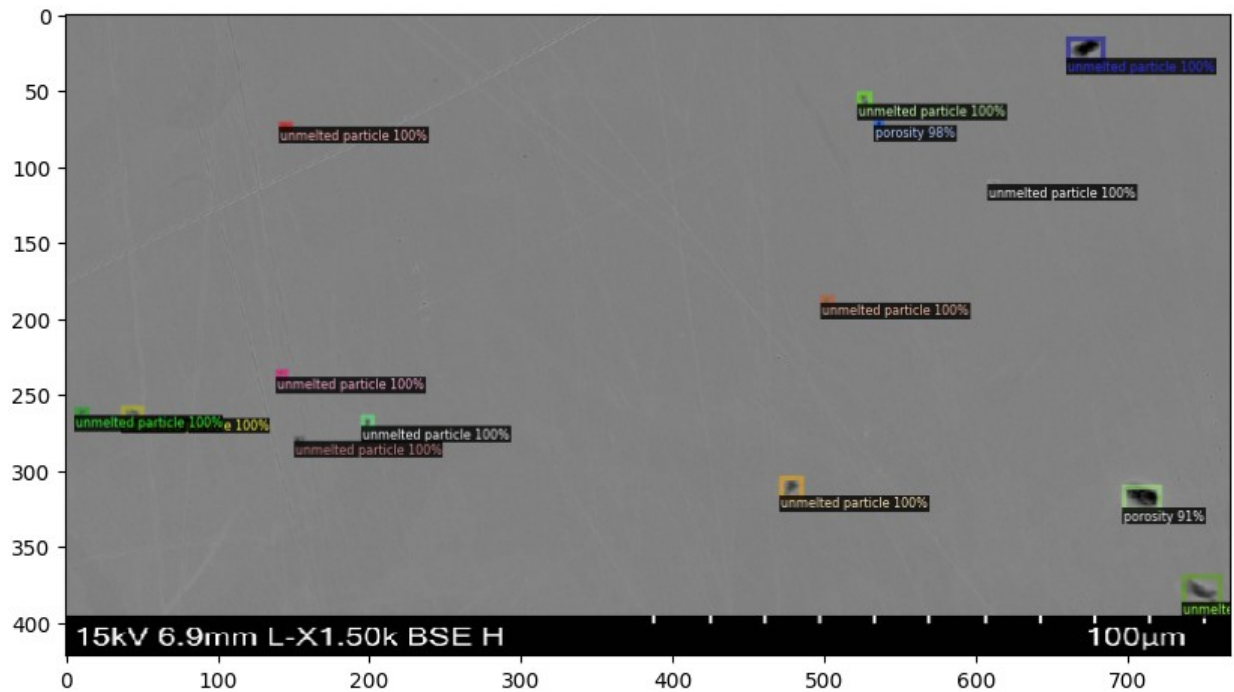
from detectron2.utils.visualizer import ColorMode
dataset_dicts = get_r_dicts('/content/drive/MyDrive/Mahabub/train')
for d in random.sample(dataset_dicts, 4):
    im = cv2.imread(d["file_name"])
    outputs = predictor(im)
    v = Visualizer(im[:, :, ::-1],
                    metadata=r_metadata,
                    scale=0.8,
                    instance_mode=ColorMode.IMAGE_BW    # remove the
colors of unsegmented pixels
    )
    v = v.draw_instance_predictions(outputs["instances"].to("cpu"))
    plt.figure(figsize = (10, 10))
    plt.imshow(cv2.cvtColor(v.get_image()[:, :, ::-1],
cv2.COLOR_BGR2RGB))
    plt.show()

```





```
from detectron2.utils.visualizer import ColorMode
dataset_dicts = get_r_dicts('/content/drive/MyDrive/Mahabub/test')
for d in random.sample(dataset_dicts, 4):
    im = cv2.imread(d["file_name"])
    outputs = predictor(im)
    v = Visualizer(im[:, :, ::-1],
                   metadata=r_metadata,
                   scale=0.8,
                   instance_mode=ColorMode.IMAGE_BW    # remove the
colors of unsegmented pixels
    )
    v = v.draw_instance_predictions(outputs["instances"].to("cpu"))
    plt.figure(figsize = (10, 10))
    plt.imshow(cv2.cvtColor(v.get_image()[:, :, ::-1],
cv2.COLOR_BGR2RGB))
    plt.show()
```

```
from detectron2.evaluation import COCOEvaluator, inference_on_dataset
from detectron2.data import build_detection_test_loader
evaluator = COCOEvaluator("p_train", ['bbox'], False,
output_dir="./output/")
val_loader = build_detection_test_loader(cfg, "p_train")
print(inference_on_dataset(predictor.model, val_loader, evaluator))
```

```

[07/21 23:55:43 d2.evaluation.coco_evaluation]: Trying to convert
'p_train' to COCO format ...
[07/21 23:55:43 d2.data.datasets.coco]: Converting annotations of
dataset 'p_train' to COCO format ...
[07/21 23:55:43 d2.data.datasets.coco]: Converting dataset dicts into
COCO format
[07/21 23:55:43 d2.data.datasets.coco]: Conversion finished, #images:
42, #annotations: 715
[07/21 23:55:43 d2.data.datasets.coco]: Caching COCO format
annotations at './output/p_train_coco_format.json' ...
[07/21 23:55:43 d2.data.dataset_mapper]: [DatasetMapper] Augmentations
used in inference: [ResizeShortestEdge(short_edge_length=(800, 800),
max_size=1333, sample_style='choice')]
[07/21 23:55:43 d2.data.common]: Serializing the dataset using: <class
'detectron2.data.common._TorchSerializedList'>
[07/21 23:55:43 d2.data.common]: Serializing 42 elements to byte
tensors and concatenating them all ...
[07/21 23:55:43 d2.data.common]: Serialized dataset takes 0.16 MiB
[07/21 23:55:43 d2.evaluation.evaluator]: Start inference on 42
batches
[07/21 23:55:45 d2.evaluation.evaluator]: Inference done 11/42.
Dataloading: 0.0024 s/iter. Inference: 0.1189 s/iter. Eval: 0.0004
s/iter. Total: 0.1217 s/iter. ETA=0:00:03
[07/21 23:55:49 d2.evaluation.evaluator]: Total inference time:
0:00:04.508754 (0.121858 s / iter per device, on 1 devices)
[07/21 23:55:49 d2.evaluation.evaluator]: Total inference pure compute
time: 0:00:04 (0.117381 s / iter per device, on 1 devices)
[07/21 23:55:49 d2.evaluation.coco_evaluation]: Preparing results for
COCO format ...
[07/21 23:55:49 d2.evaluation.coco_evaluation]: Saving results to
./output/coco_instances_results.json
[07/21 23:55:49 d2.evaluation.coco_evaluation]: Evaluating predictions
with unofficial COCO API...
Loading and preparing results...
DONE (t=0.00s)
creating index...
index created!
[07/21 23:55:49 d2.evaluation.fast_eval_api]: Evaluate annotation type
*bbox*
[07/21 23:55:49 d2.evaluation.fast_eval_api]: COCOeval_opt.evaluate()
finished in 0.02 seconds.
[07/21 23:55:49 d2.evaluation.fast_eval_api]: Accumulating evaluation
results...
[07/21 23:55:49 d2.evaluation.fast_eval_api]:
COCOeval_opt.accumulate() finished in 0.01 seconds.
Average Precision (AP) @[ IoU=0.50:0.95 | area= all |
maxDets=100 ] = 0.734
Average Precision (AP) @[ IoU=0.50 | area= all |
maxDets=100 ] = 0.838
Average Precision (AP) @[ IoU=0.75 | area= all |

```

```

maxDets=100 ] = 0.829
Average Precision (AP) @[ IoU=0.50:0.95 | area= small |
maxDets=100 ] = 0.715
Average Precision (AP) @[ IoU=0.50:0.95 | area=medium |
maxDets=100 ] = 0.953
Average Precision (AP) @[ IoU=0.50:0.95 | area= large |
maxDets=100 ] = -1.000
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=
1 ] = 0.312
Average Recall (AR) @[ IoU=0.50:0.95 | area= all | maxDets=
10 ] = 0.659
Average Recall (AR) @[ IoU=0.50:0.95 | area= all |
maxDets=100 ] = 0.760
Average Recall (AR) @[ IoU=0.50:0.95 | area= small |
maxDets=100 ] = 0.740
Average Recall (AR) @[ IoU=0.50:0.95 | area=medium |
maxDets=100 ] = 0.958
Average Recall (AR) @[ IoU=0.50:0.95 | area= large |
maxDets=100 ] = -1.000
[07/21 23:55:49 d2.evaluation.coco_evaluation]: Evaluation results for
bbox:
| AP | AP50 | AP75 | APs | APm | APl |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| 73.441 | 83.823 | 82.899 | 71.521 | 95.340 | nan |
[07/21 23:55:49 d2.evaluation.coco_evaluation]: Some metrics cannot be
computed and is shown as NaN.
[07/21 23:55:49 d2.evaluation.coco_evaluation]: Per-category bbox AP:
| category | AP | category | AP | category | AP |
|:-----:|:-----:|:-----:|:-----:|:-----:|:-----:|
| unmelted particle | 83.159 | porosity | 87.758 | microcrack |
49.406 |
OrderedDict([('bbox', {'AP': 73.44103601416589, 'AP50':
83.82312239464834, 'AP75': 82.89925716317164, 'APs':
71.52051142533203, 'APm': 95.33993399339936, 'APl': nan, 'AP-unmelted
particle': 83.15916125860555, 'AP-porosity': 87.75800618983271, 'AP-
microcrack': 49.4059405940594})]))

import cv2
import numpy as np
import json
from detectron2.config import get_cfg
from detectron2.engine import DefaultPredictor, DefaultTrainer
from detectron2.utils.visualizer import Visualizer
from detectron2.data import MetadataCatalog
from google.colab.patches import cv2_imshow

# Conversion factor: 1 pixel = 0.1 cm (hypothetical value)
conversion_factor = 0.1 # Adjust this value based on your specific

```

```

conversion factor

# Load JSON annotations
annotations_path =
'/content/drive/MyDrive/Mahabub/train/rsz_slm_square_finalx15k_0014.js
on'
with open(annotations_path) as f:
    annotations_data = json.load(f)

# Extract annotations
annotations = annotations_data['shapes']

# Load corresponding image
image_path =
'/content/drive/MyDrive/Mahabub/train/rsz_slm_square_finalx15k_0014.jp
g'
image = cv2.imread(image_path)

# Create a black mask image for the background
mask = np.zeros_like(image[:, :, 0], dtype=np.uint8)

# Initialize variables for area calculations
cracks = []
unmelted_particle_area = 0
microcrack_area = 0
porosity_area = 0

# Iterate through annotations and calculate size, shape, volume, and
area for each crack
for annotation in annotations:
    # Extract label and points
    label = annotation['label']
    points = annotation['points']

    # Extract bounding box coordinates
    xmin = int(min(points, key=lambda x: x[0])[0])
    ymin = int(min(points, key=lambda x: x[1])[1])
    xmax = int(max(points, key=lambda x: x[0])[0])
    ymax = int(max(points, key=lambda x: x[1])[1])

    # Extract segmentation mask
    object_mask = np.zeros_like(image[:, :, 0], dtype=np.uint8)
    cv2.fillPoly(object_mask, np.array([points], dtype=np.int32), 255)

    # Update the main mask based on the label
    if label == 'porosity':
        mask = cv2.bitwise_or(mask, object_mask)
        color = (0, 255, 0) # Green for porosity
        porosity_area += np.sum(object_mask)
    elif label == 'microcrack':

```

```

        mask = cv2.bitwise_or(mask, object_mask)
        color = (0, 0, 255) # Red for microcrack
        microcrack_area += np.sum(object_mask)
    elif label == 'unmelted particle':
        mask = cv2.bitwise_or(mask, object_mask)
        color = (255, 0, 0) # Blue for unmelted particle
        unmelted_particle_area += np.sum(object_mask)
    else:
        color = (255, 255, 255) # White for other objects

    # Draw bounding box and label on the image
    cv2.rectangle(image, (xmin, ymin), (xmax, ymax), color, 2)
    cv2.putText(image, label, (xmin, ymin - 10),
cv2.FONT_HERSHEY_SIMPLEX, 0.9, color, 2)

    # Calculate the size of the crack (length, width, depth) in
    centimeters
    length_cm = (xmax - xmin) * conversion_factor
    width_cm = (ymax - ymin) * conversion_factor
    depth_cm = 0.1 # Assuming the depth is 0.1 cm (hypothetical
    value)

    # Calculate the volume of the crack in cubic centimeters (cc)
    volume_cc = length_cm * width_cm * depth_cm

    # Create a dictionary to store crack information
    crack = {
        'label': label,
        'length_cm': length_cm,
        'width_cm': width_cm,
        'depth_cm': depth_cm,
        'volume_cc': volume_cc,
        'area': np.sum(object_mask)
    }

    # Add the crack to the list of cracks
    cracks.append(crack)

# Apply the mask to the original image
masked_image = cv2.bitwise_and(image, image, mask=mask)

# Create a Detectron2 configuration for prediction
cfg = get_cfg()
cfg.merge_from_file(model_zoo.get_config_file("COCO-Detection/faster_r
cnn_R_50_FPN_1x.yaml"))
cfg.MODEL.ROI_HEADS.SCORE_THRESH_TEST = 0.5
cfg.MODEL.WEIGHTS =
model_zoo.get_checkpoint_url("COCO-Detection/faster_rcnn_R_50_FPN_1x.y
aml")
predictor = DefaultPredictor(cfg)

```



```

# Run the Faster R-CNN model on the image
outputs = predictor(image)

# Visualize the predictions
v = Visualizer(image[:, :, ::-1],
MetadataCatalog.get(cfg.DATASETS.TRAIN[0]), scale=1.2)
out = v.draw_instance_predictions(outputs["instances"].to("cpu"))

# Get the annotated image
annotated_image = out.get_image()[:, :, ::-1]

# Calculate average areas
num_unmelted_particles = sum(1 for annotation in annotations if
annotation['label'] == 'unmelted particle')
num_microcracks = sum(1 for annotation in annotations if
annotation['label'] == 'microcrack')
num_porosities = sum(1 for annotation in annotations if
annotation['label'] == 'porosity')

average_unmelted_particle_area = (unmelted_particle_area /
num_unmelted_particles) * (conversion_factor ** 2) if
num_unmelted_particles > 0 else 0
average_microcrack_area = (microcrack_area / num_microcracks) *
(conversion_factor ** 2) if num_microcracks > 0 else 0
average_porosity_area = (porosity_area / num_porosities) *
(conversion_factor ** 2) if num_porosities > 0 else 0

# Print crack information
for i, crack in enumerate(cracks):
    print(f"Crack {i+1}:")
    print(f"Label: {crack['label']}")
    print(f"Length: {crack['length_cm']:.2f} cm")
    print(f"Width: {crack['width_cm']:.2f} cm")
    print(f"Depth: {crack['depth_cm']:.2f} cm")
    print(f"Volume: {crack['volume_cc']:.2f} cc")
    print(f"Area: {crack['area']} pixels^2\n")

# Print average area calculations
print(f"Average area of microcracks: {average_microcrack_area:.2f}
cm^2")
print(f"Average area of porosity: {average_porosity_area:.2f} cm^2")
print(f"Average area of unmelted particles:
{average_unmelted_particle_area:.2f} cm^2")

# Display the images
cv2_imshow(image)
cv2_imshow(masked_image)
cv2_imshow(annotated_image)

```


[07/21 23:55:58 d2.checkpoint.detection_checkpoint]:
[DetectionCheckpointner] Loading from
https://dl.fbaipublicfiles.com/detectron2/COCO-Detection/faster_rcnn_R_50_FPN_1x/137257794/model_final_b275ba.pkl ...

Crack 1:

Label: microcrack
Length: 8.10 cm
Width: 12.00 cm
Depth: 0.10 cm
Volume: 9.72 cc
Area: 514845 pixels²

Crack 2:

Label: unmelted particle
Length: 1.60 cm
Width: 1.00 cm
Depth: 0.10 cm
Volume: 0.16 cc
Area: 33660 pixels²

Crack 3:

Label: unmelted particle
Length: 3.00 cm
Width: 2.10 cm
Depth: 0.10 cm
Volume: 0.63 cc
Area: 118065 pixels²

Crack 4:

Label: unmelted particle
Length: 0.60 cm
Width: 0.50 cm
Depth: 0.10 cm
Volume: 0.03 cc
Area: 9180 pixels²

Crack 5:

Label: unmelted particle
Length: 2.20 cm
Width: 1.70 cm
Depth: 0.10 cm
Volume: 0.37 cc
Area: 61455 pixels²

Crack 6:

Label: unmelted particle
Length: 0.90 cm
Width: 0.90 cm
Depth: 0.10 cm
Volume: 0.08 cc

Area: 16575 pixels²

Crack 7:

Label: unmelted particle

Length: 2.50 cm

Width: 2.50 cm

Depth: 0.10 cm

Volume: 0.62 cc

Area: 99195 pixels²

Crack 8:

Label: porosity

Length: 1.20 cm

Width: 0.90 cm

Depth: 0.10 cm

Volume: 0.11 cc

Area: 25755 pixels²

Crack 9:

Label: porosity

Length: 0.70 cm

Width: 0.70 cm

Depth: 0.10 cm

Volume: 0.05 cc

Area: 11985 pixels²

Crack 10:

Label: unmelted particle

Length: 0.80 cm

Width: 0.70 cm

Depth: 0.10 cm

Volume: 0.06 cc

Area: 14280 pixels²

Crack 11:

Label: unmelted particle

Length: 0.90 cm

Width: 0.60 cm

Depth: 0.10 cm

Volume: 0.05 cc

Area: 10710 pixels²

Crack 12:

Label: unmelted particle

Length: 0.40 cm

Width: 0.50 cm

Depth: 0.10 cm

Volume: 0.02 cc

Area: 6630 pixels²

Crack 13:
Label: porosity
Length: 0.80 cm
Width: 0.60 cm
Depth: 0.10 cm
Volume: 0.05 cc
Area: 11985 pixels²

Crack 14:
Label: microcrack
Length: 0.50 cm
Width: 1.10 cm
Depth: 0.10 cm
Volume: 0.06 cc
Area: 14535 pixels²

Crack 15:
Label: unmelted particle
Length: 0.70 cm
Width: 0.30 cm
Depth: 0.10 cm
Volume: 0.02 cc
Area: 5100 pixels²

Average area of microcracks: 2646.90 cm²
Average area of porosity: 165.75 cm²
Average area of unmelted particles: 374.85 cm²

