BASNet: Boundary-Aware Salient Object Detection

This repository is the unofficial implementation of the following paper. Please see the paper [BASNet: Boundary-Aware Salient Object Detection](#) for more details.

Requirements

🔶 TensorFlow `2.4`   Python `3.7`

Train

```
$ python3 train.py \
  --experiment=basnet_duts \
  --mode=train \
  --model_dir=$MODEL_DIR \
  --config_file=./configs/experiments/basnet_dut_gpu.yaml
```

Test

```
$ python3 train.py \
  --experiment=basnet_duts \
  --mode=eval \
  --model_dir=$MODEL_DIR \
  --config_file=./configs/experiments/basnet_dut_gpu.yaml
  --params_override='runtime.num_gpus=1, runtime.distribution_strategy=one_device,
task.model.input_size=[256, 256, 3]'
```

Results

Dataset	maxF_β	relaxF_β	MAE
DUTS-TE	0.865	0.793	0.046