Assignment7

201920811 이동현

Fourier
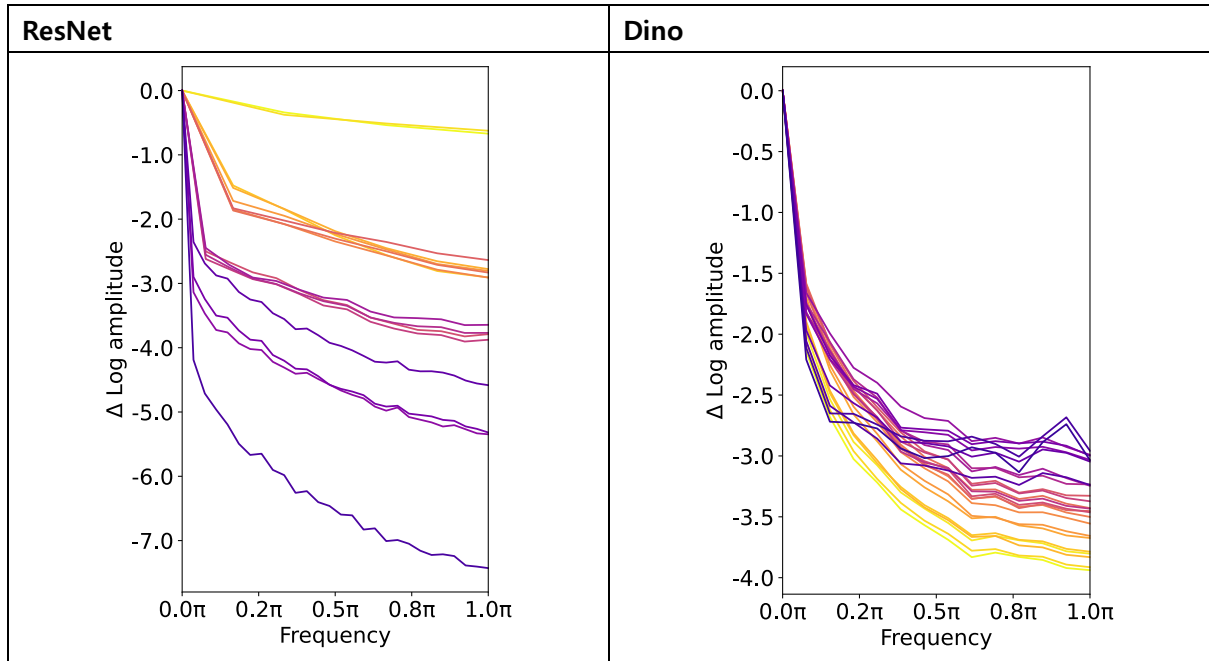
ResNet	Dino

Consistency

ResNet	Dino
0.921875	0.765625

Robustness (Motion Blur)

ResNet	Accuracy	F1Score	AUROC	Specificity	Recall	Precision
1	0.890625	0.890625	0.002998	0.999891	0.890625	0.890625
2	0.851562	0.851562	0.002993	0.999851	0.851562	0.851562
3	0.757812	0.757812	0.002953	0.999758	0.757812	0.757812
4	0.570312	0.570312	0.002887	0.999570	0.570312	0.570312
5	0.460938	0.460938	0.002833	0.999460	0.460938	0.460938

Dino	Accuracy	F1Score	AUROC	Specificity	Recall	Precision
1	0	0	0.001011	0.998999	0.000000	0.000000
2	0	0	0.001014	0.998999	0.000000	0.000000
3	0	0	0.001006	0.998999	0.000000	0.000000

4	0.015625	0.015625	0.001027	0.999015	0.015625	0.015625
5	0.023438	0.023438	0.001036	0.999022	0.023438	0.023438

Model

drop-path 0.05 추가 (82.98 -> 84.88)

Fourier
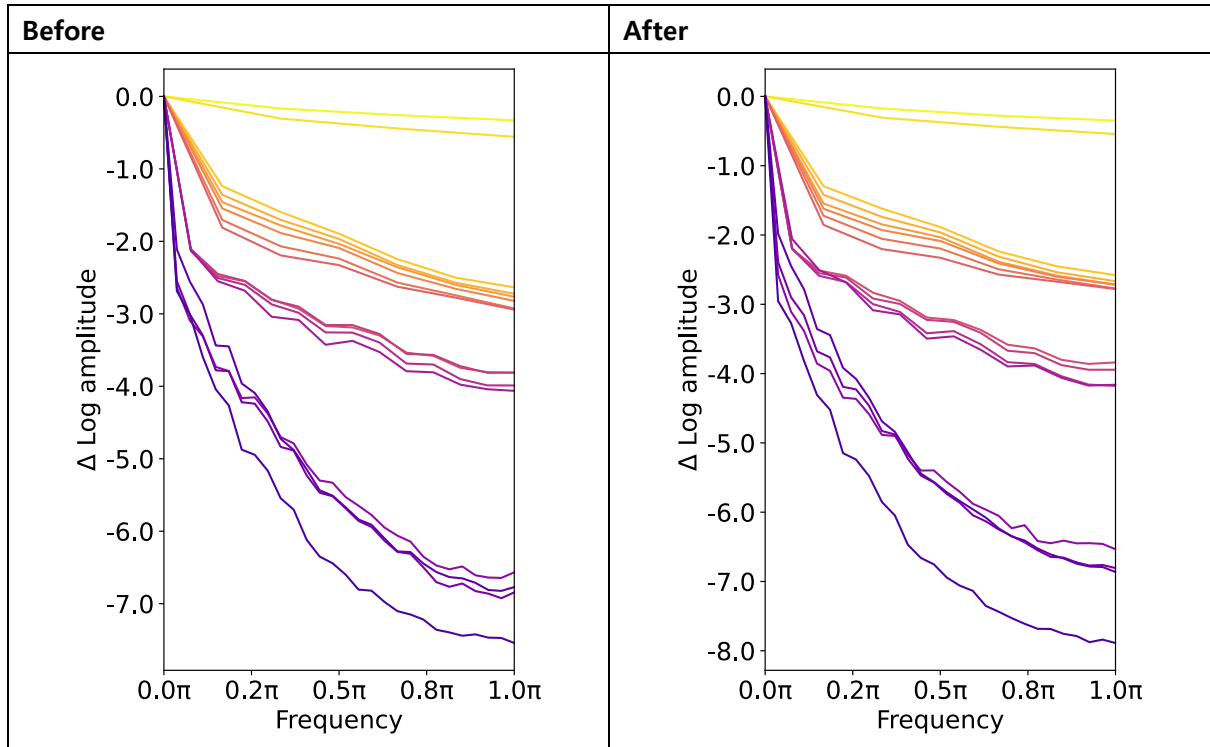
Before	After

Consistency
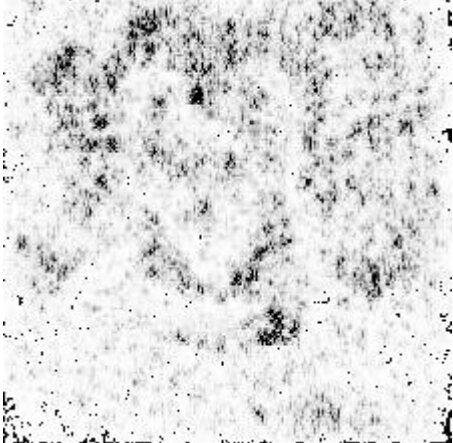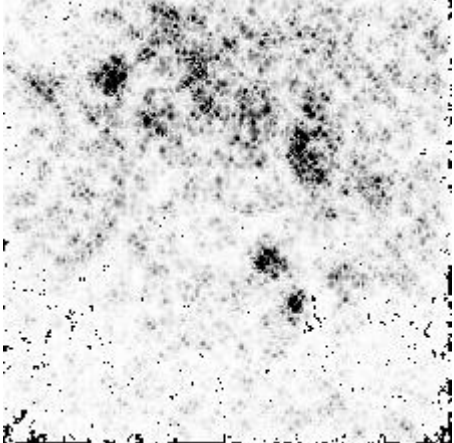
Before	After
1	1

Robustness

	Accuracy	F1Score	AUROC	Specificity	Recall	Precision
Before	0.234375	0.234375	0.537469	0.992266	0.234375	0.234375
After	0.273438	0.273438	0.510878	0.992661	0.273438	0.273438

Guided Backpropagation

Forward Pass 이후 Class의 Loss에 대한 Gradient값을 사용하여 뉴런 역추적

	Before	After
Guided Backpropagation Saliency Gray		
Guided Backpropagation Saliency		
Guided Backpropagation Positive Saliency		

| Guided Backpropagation Negative Saliency | | |