

Kitware Generated Image Detector

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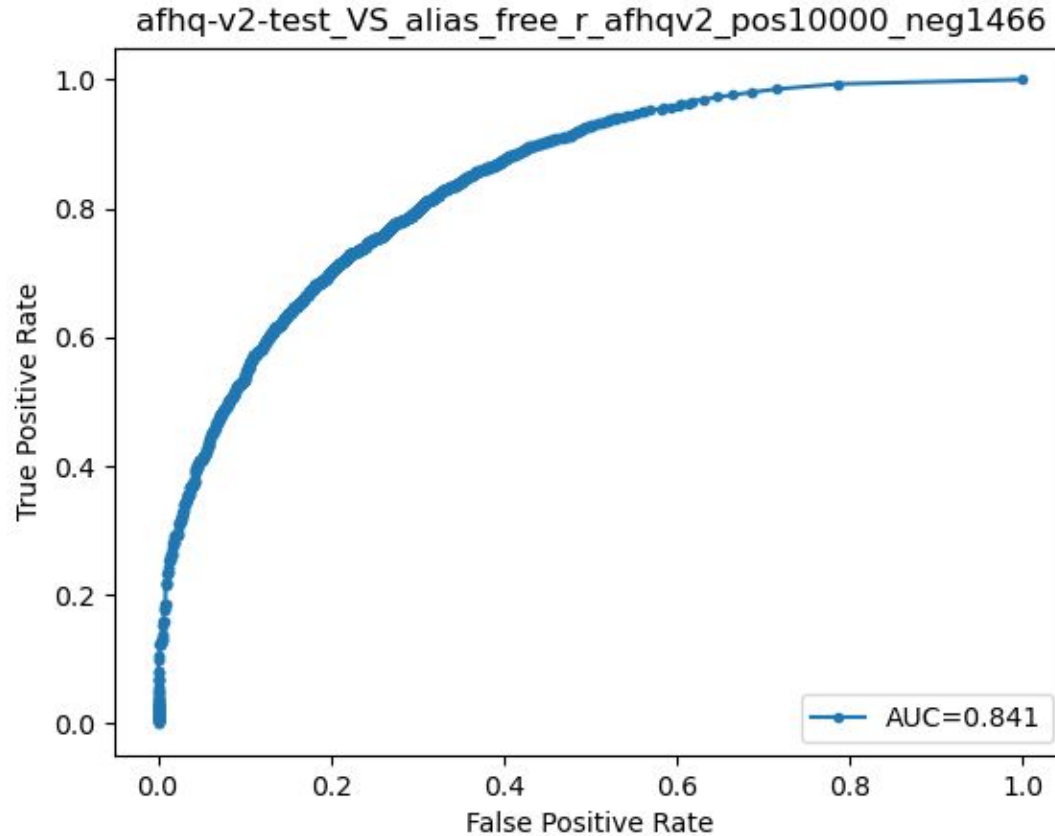


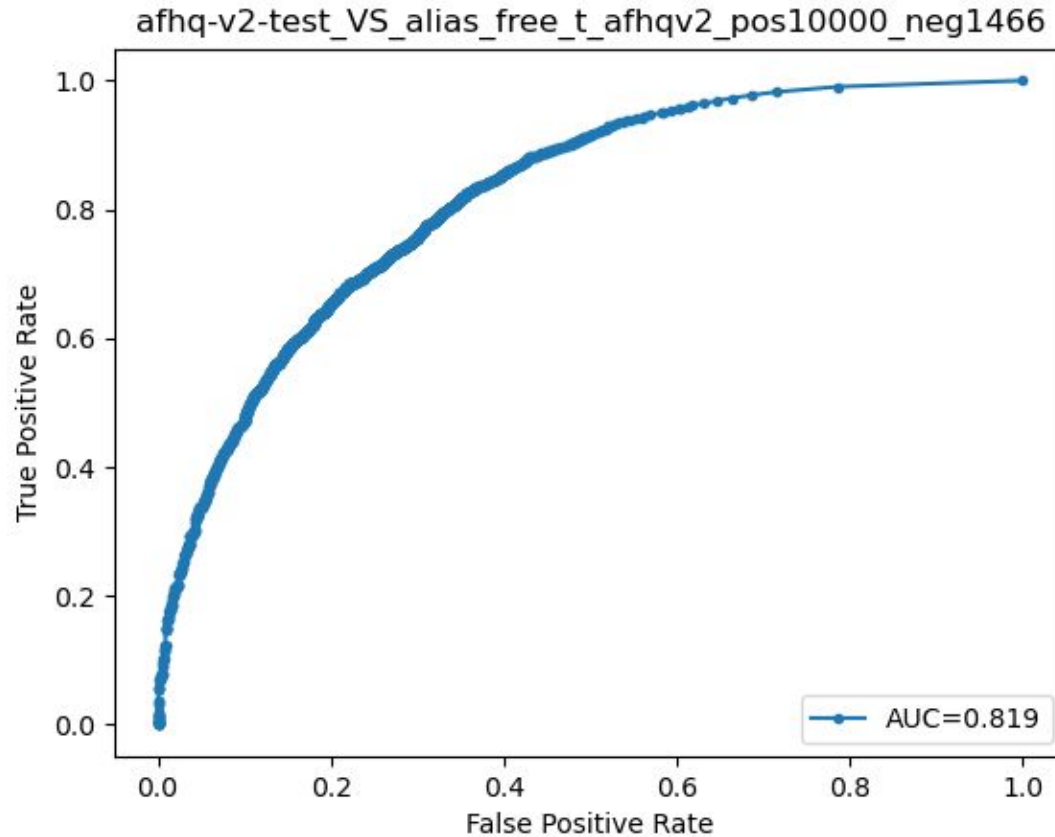
Generated Image Detector

- Determine if an image is generated by computer, not captured by an imaging device
- Support three networks (EfficientNet, Resnet101 and VGG) and two image representations (raw and residual)
- Model trained from 85,000 images (256x256 pixels) from 12 news outlets, StyleGAN2, Pix2pix, ffhq, LFW, Compression (Q60/Q80/Q90), resizing, ...
- Validated in Year 1 evaluation

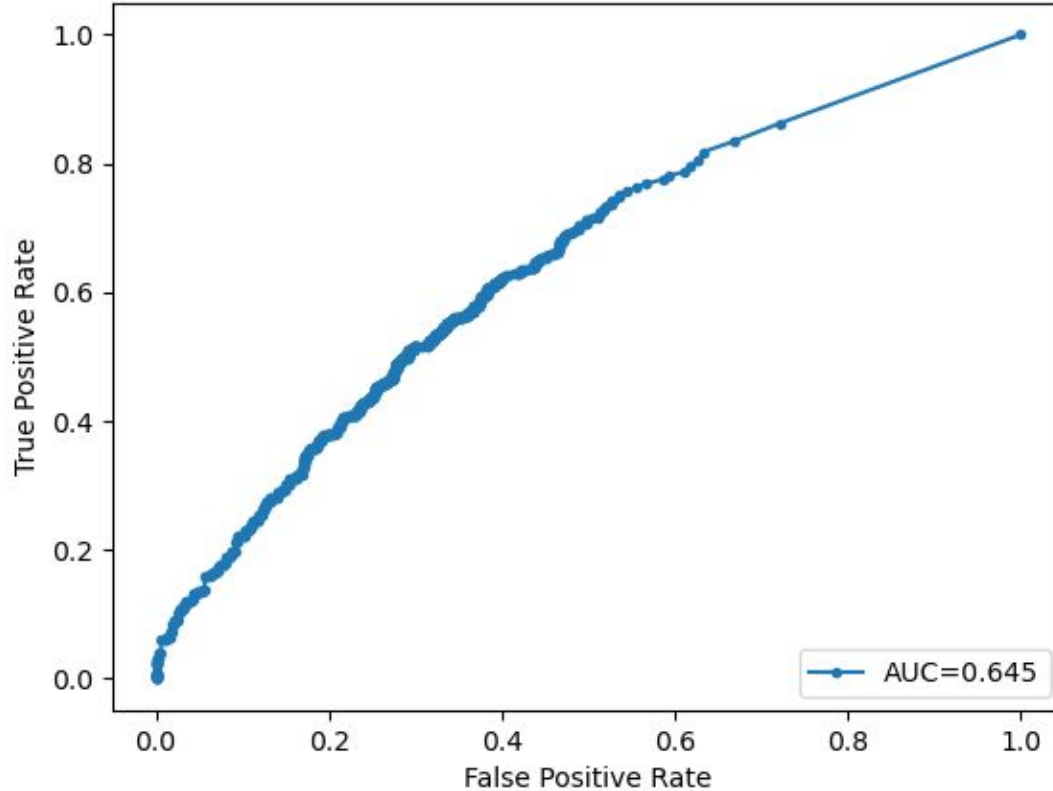
StyleGAN3 Test Datasets

- 1) afhq-v2-test vs alias_free_r_afhqv2
- 2) afhq-v2-test vs alias_free_t_afhqv2
- 3) Metfaces-in-the-wild-test vs alias_free_r_metfacesu
- 4) Metfaces-in-the-wild-test vs alias_free_t_metfacesu
- 5) FFHQ-in-the-wild-20k vs alias_free_r_no_compression
- 6) FFHQ-in-the-wild-20k vs alias_free_t_no_compression
- 7) FFHQ-in-the-wild-20k vs alias_free_r_compression
- 8) FFHQ-in-the-wild-20k vs alias_free_t_compression
- 9) Global
- 10) Global + FFHQ_ext_27K

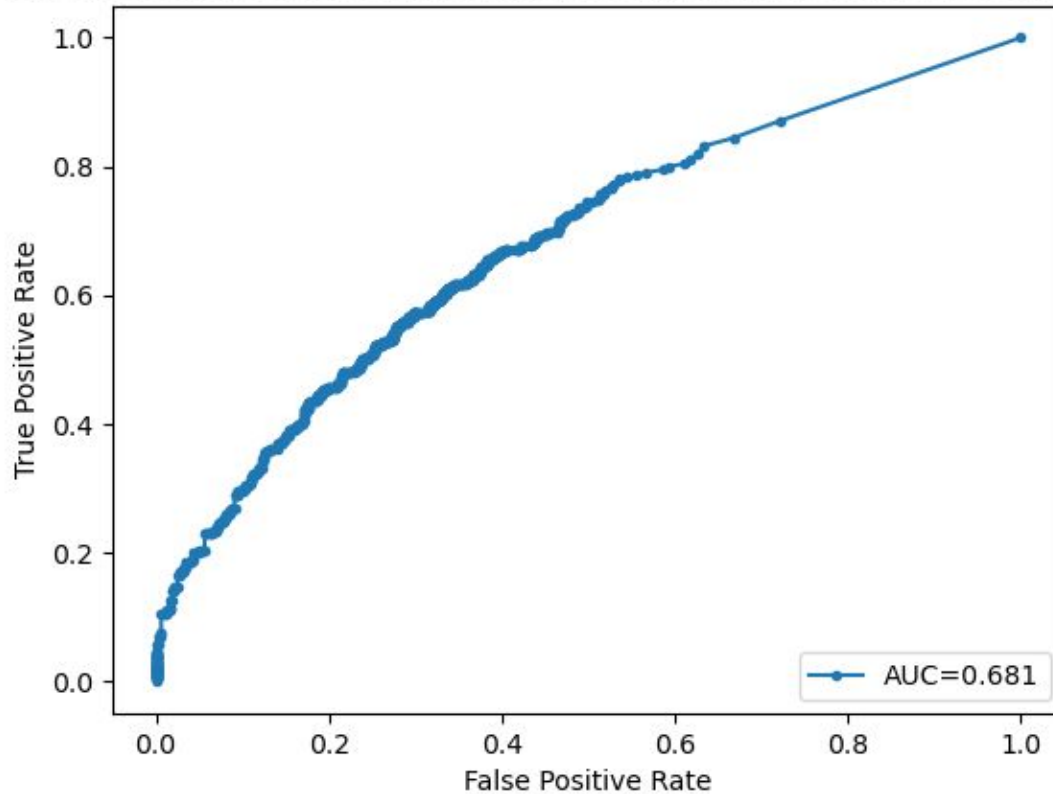




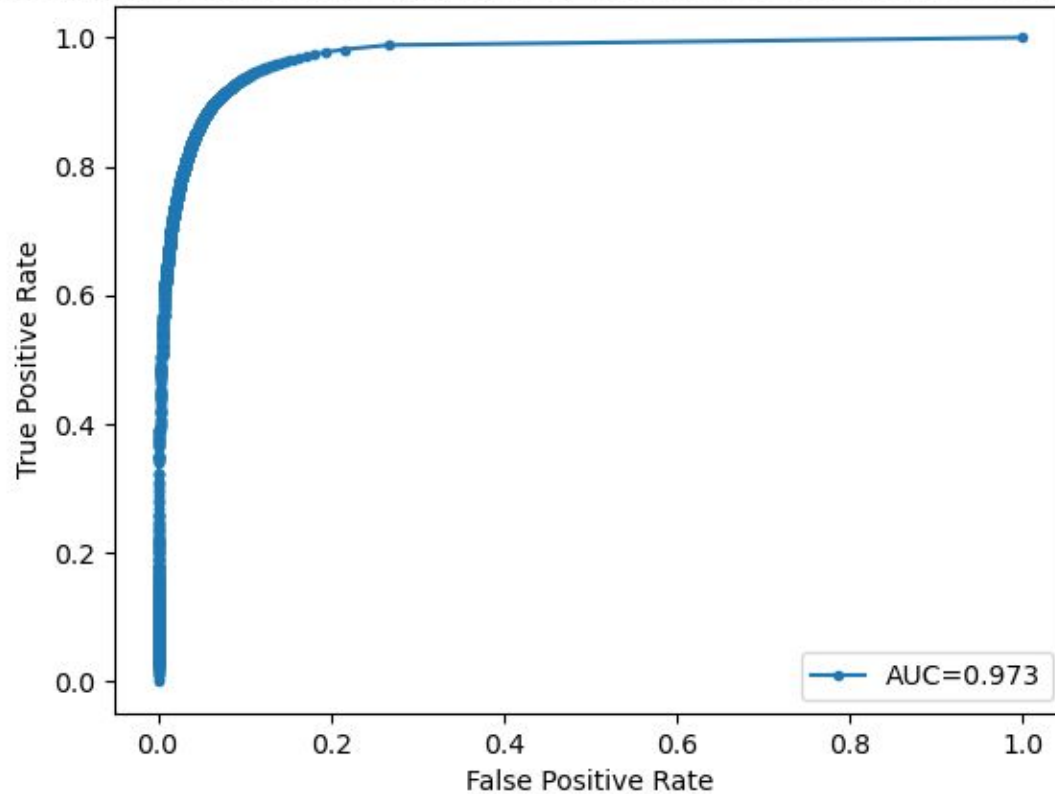
Metfaces-in-the-wild-test_VS_alias_free_r_metfacesu_pos10000_neg319



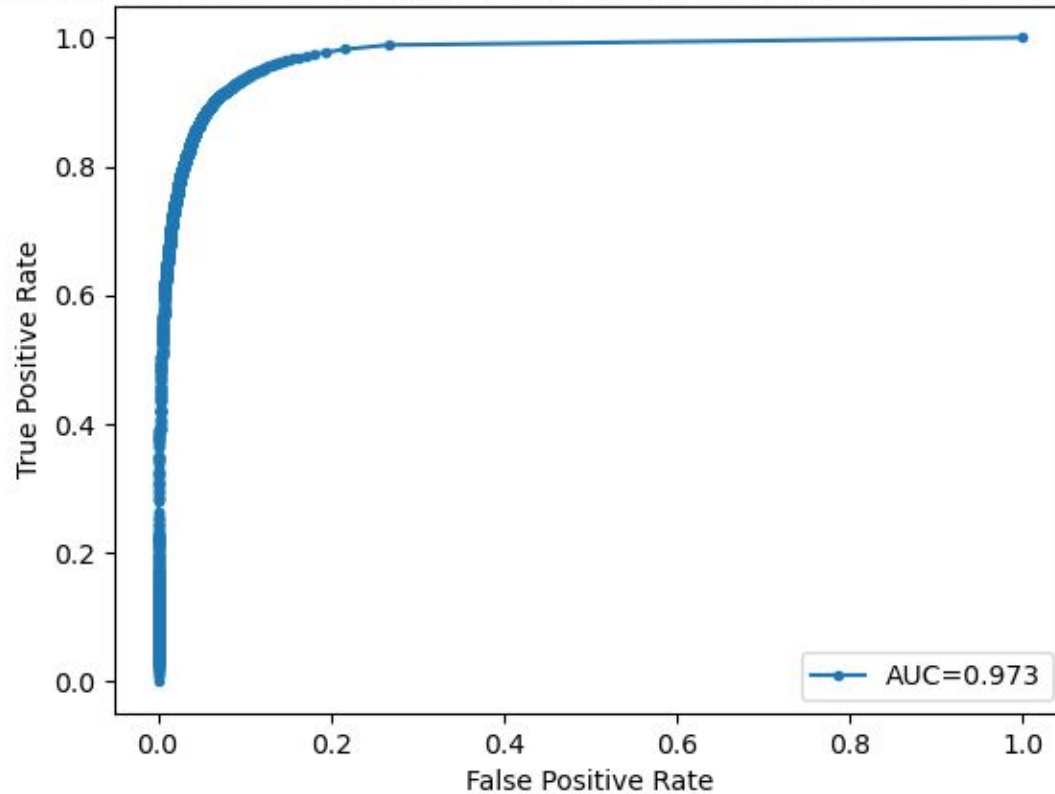
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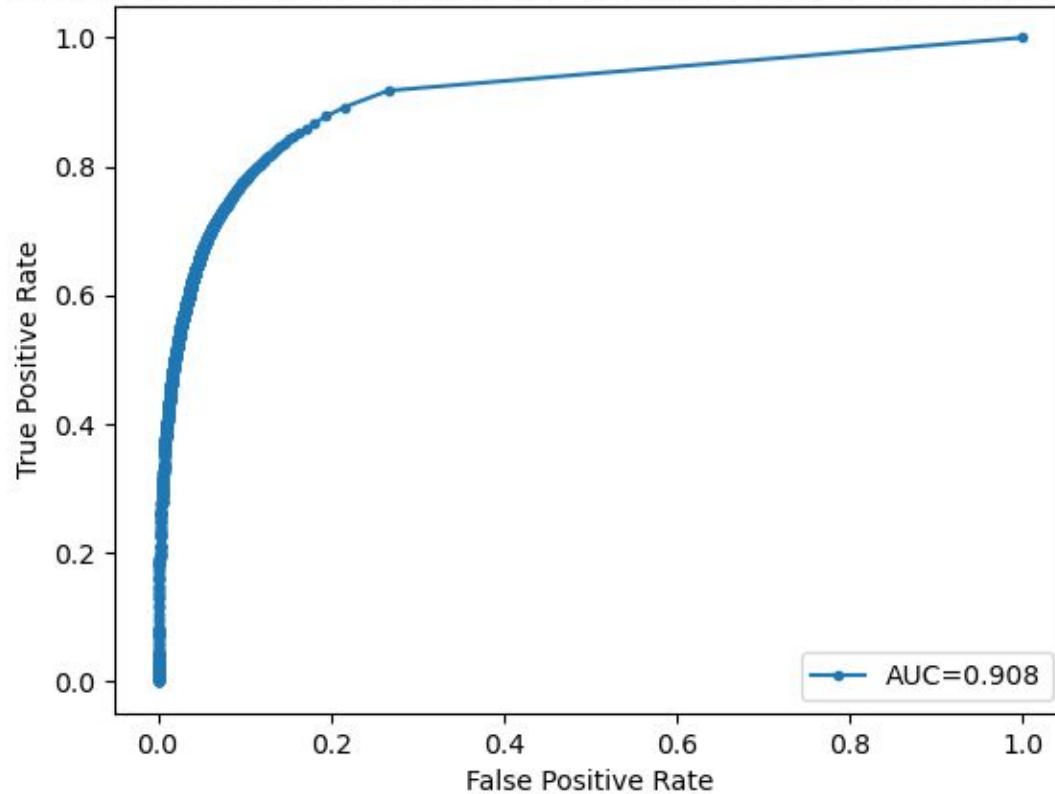
FFHQ-in-the-wild-20k_VS_alias_free_r_no_compression_pos20000_neg19999



FFHQ-in-the-wild-20k_VS_alias_free_t_no_compression_pos20000_neg19999



FFHQ-in-the-wild-20k_VS_alias_free_r_compression_pos20000_neg19999



FFHQ-in-the-wild-20k_VS_alias_free_t_compression_pos20000_neg19999

