

# **FIRE: Robust Detection of Diffusion-Generated Images via Frequency-Guided Reconstruction Error**

## Supplementary Material

### **7. More Visualization**

We visualize more examples of mid-band frequency information extracted by FMRE and reconstruction errors on real, midjourney, Kandinsky 3 [3], DALL-E 3 [6], SDXL[30] and Segmind Vega [16] in Figures 8-13.

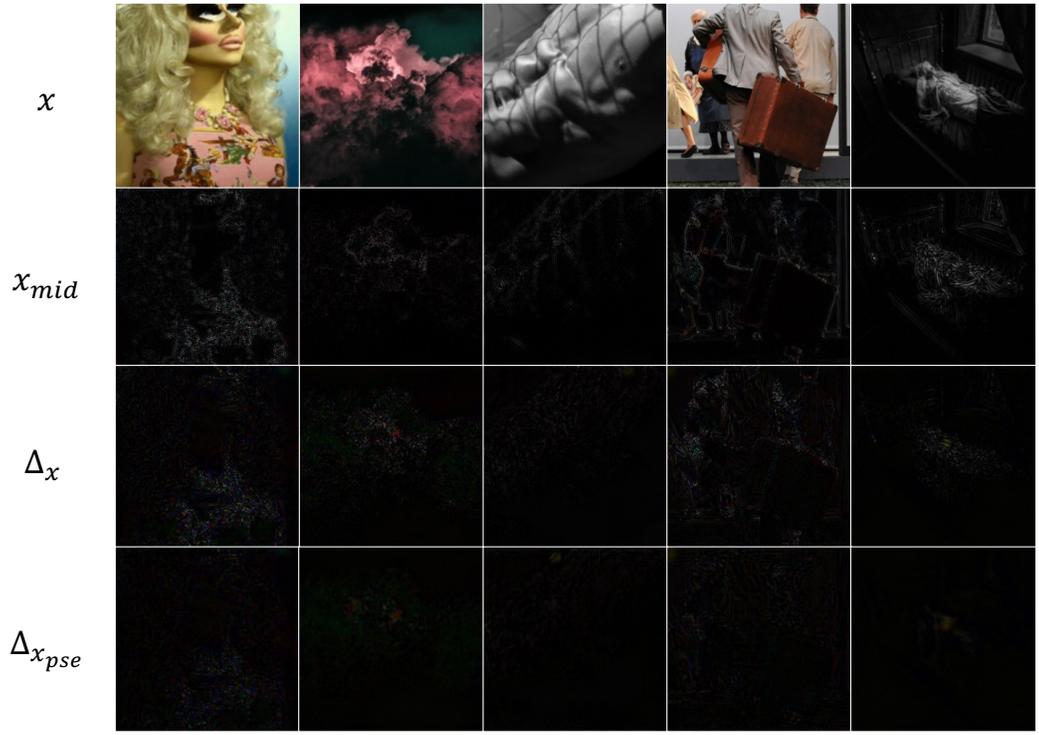


Figure 8. Visualization of mid-band frequency information and corresponding reconstruction errors on **real**. Random augmentations are applied.

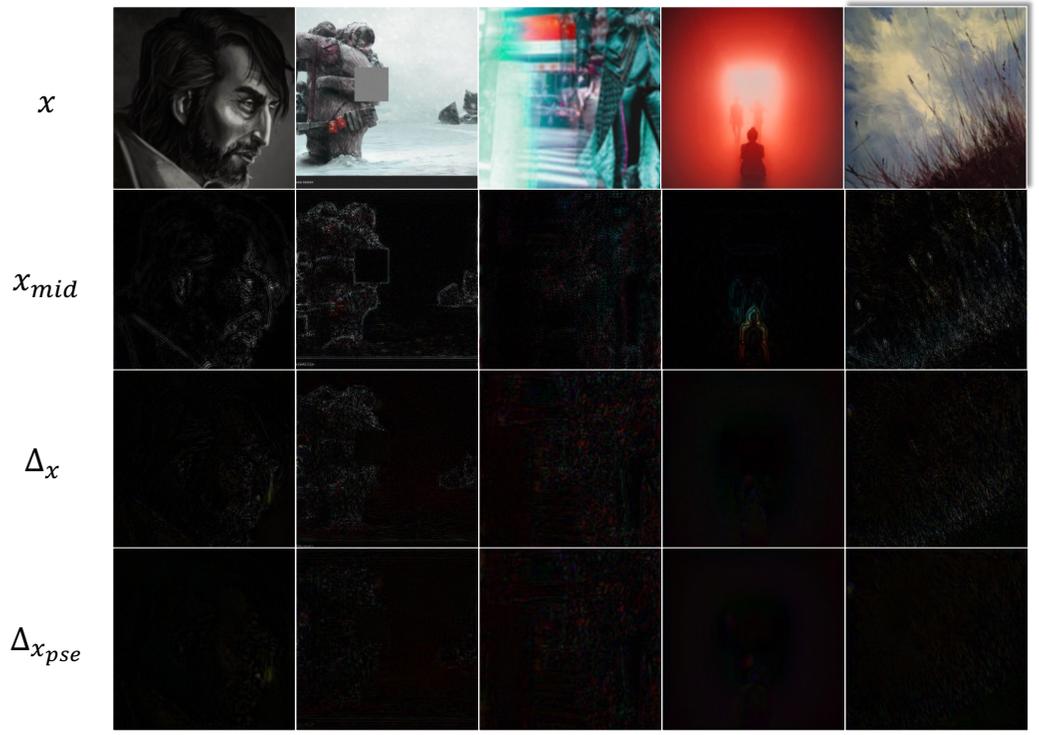


Figure 9. Visualization of mid-band frequency information and corresponding reconstruction errors on **midjourney**. Random augmentations are applied.

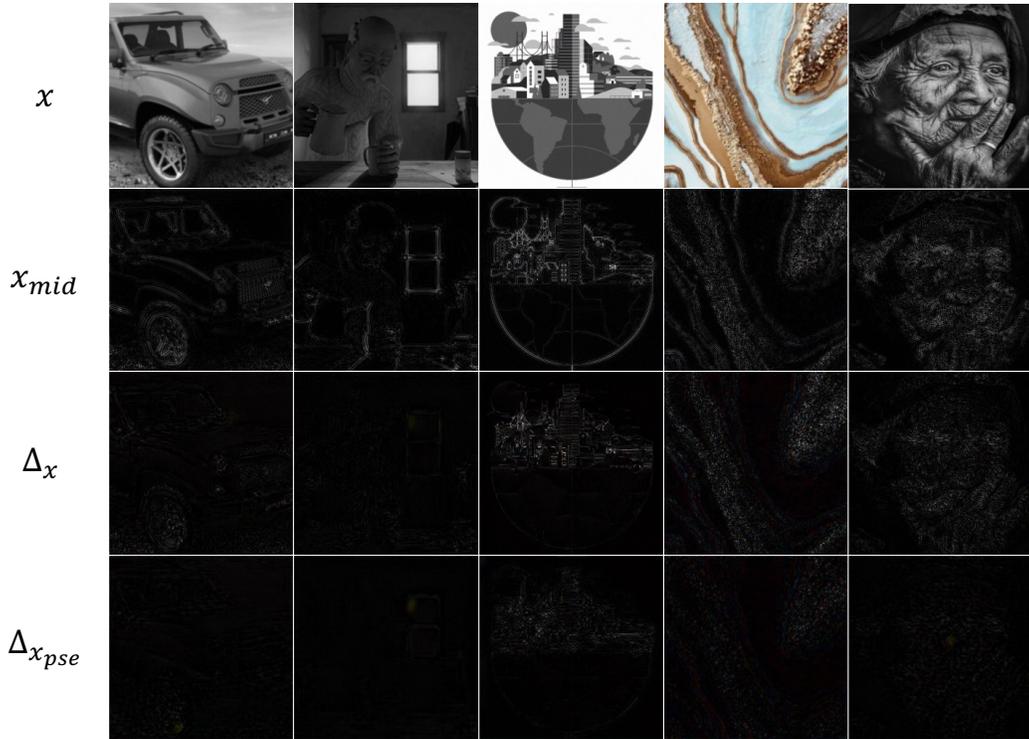


Figure 10. Visualization of mid-band frequency information and corresponding reconstruction errors on **Kandisary 3** [3]. Random augmentations are applied.



Figure 11. Visualization of mid-band frequency information and corresponding reconstruction errors on **DALL·E 3** [6]. Random augmentations are applied.

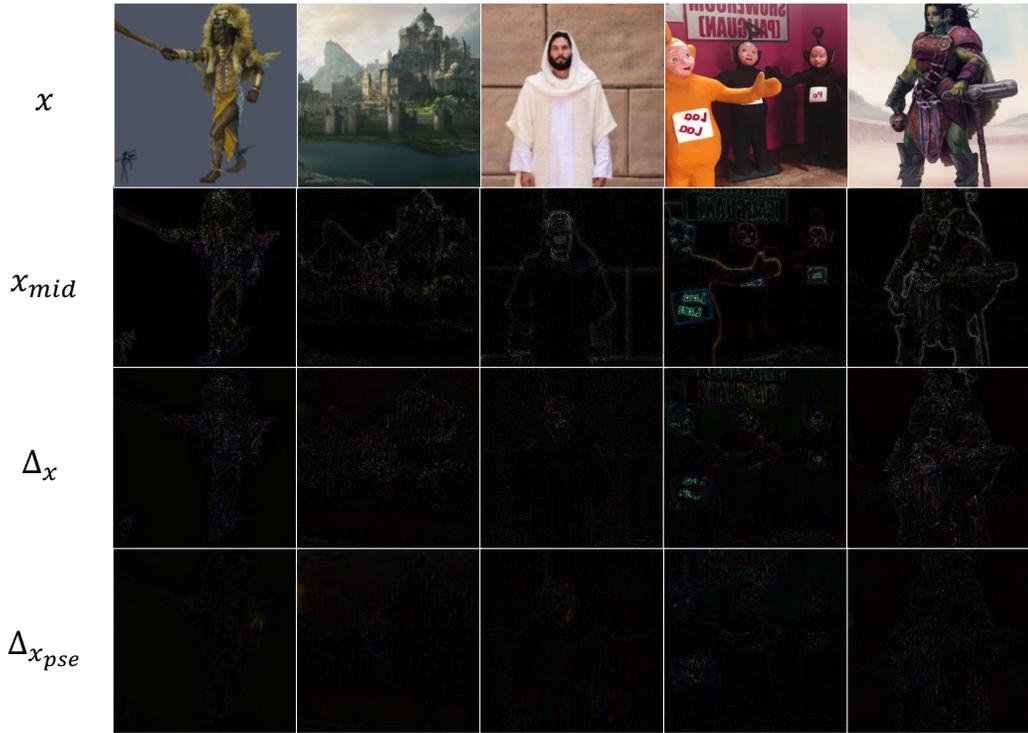


Figure 12. Visualization of mid-band frequency information and corresponding reconstruction errors on **SDXL** [30]. Random augmentations are applied.

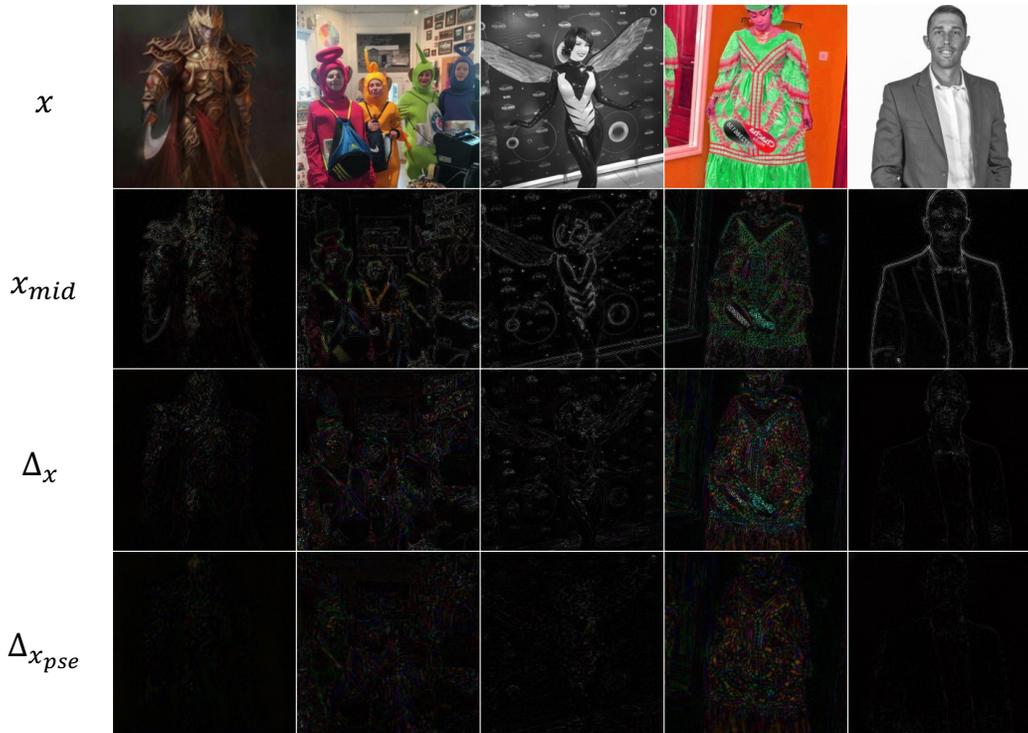


Figure 13. Visualization of mid-band frequency information and corresponding reconstruction errors on **Segmind Vega** [16]. Random augmentations are applied.