

# **3D-Aware Image Restoration: Leveraging Diffusion Models and Vision Mamba Techniques (Visual Comparison)**

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# OUTLINE

- Degraded Images
- Restoration Results
- 3DGS Rendered Results

# DEGRADED IMAGES



Original



Degraded by BSR

# DEGRADED IMAGES



Original



JPEG (Q=10)



JPEG (Q=3)

# RESTORATION RESULTS (BSR)



Input



Restormer



Stable Diffusion Refiner



Ground Truth



Dreambooth + LoRA



Vision Mamba

# RESTORATION RESULTS (JPEG COMPRESSION)



Input



Restormer



Stable Diffusion Refiner



Ground Truth



Dreambooth + LoRA

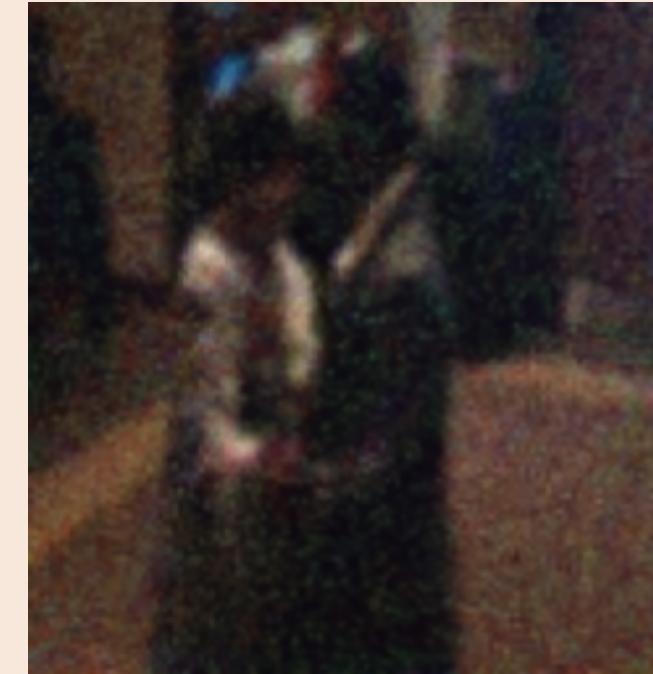


Vision Mamba

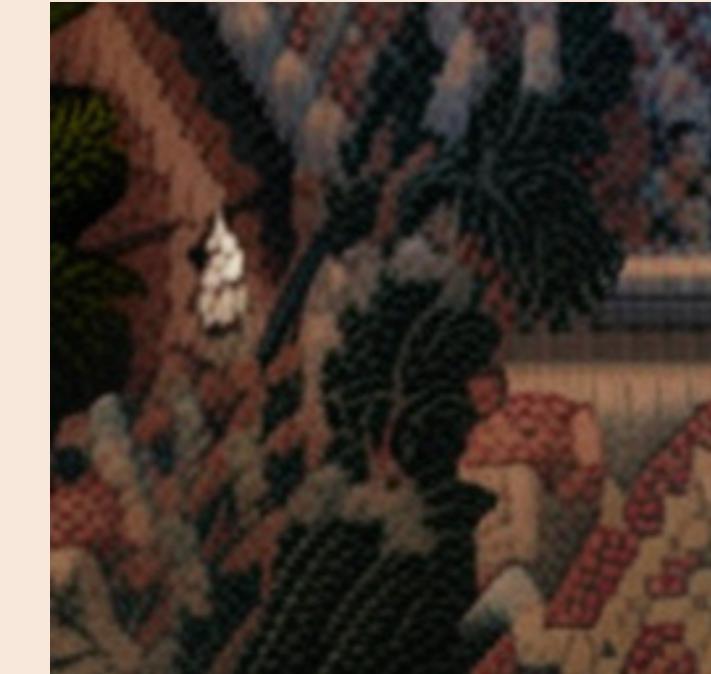
# RESTORATION RESULTS (BSR)



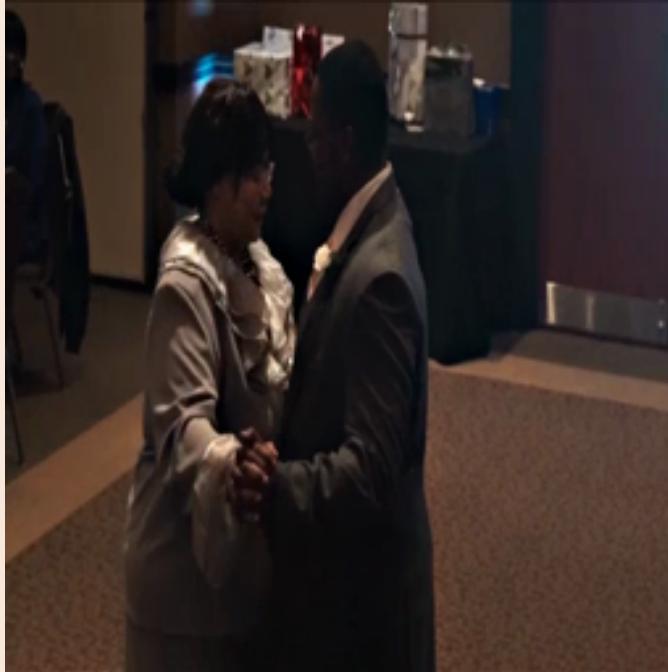
Input



Restormer



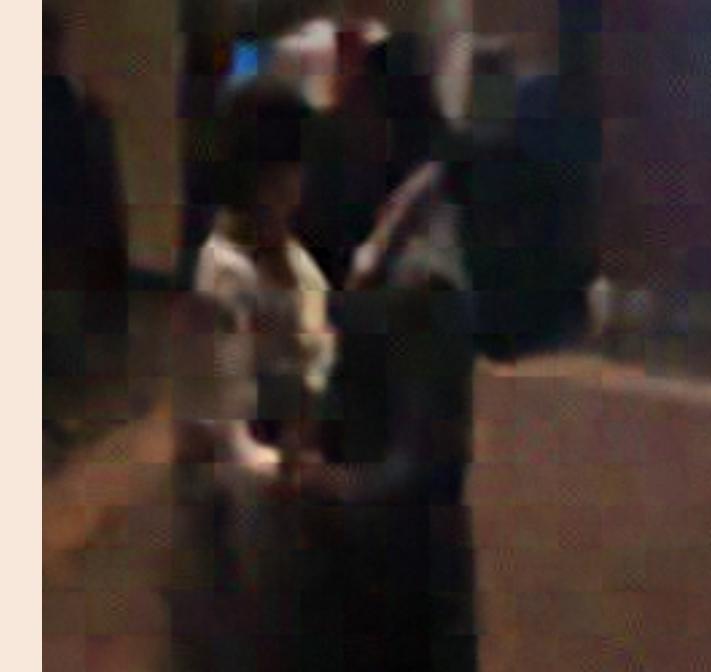
Stable Diffusion Refiner



Ground Truth



Dreambooth + LoRA



Vision Mamba

# 3DGS RENDERED RESULTS (BSR)



Restormer



Dreambooth + LoRA



Vision Mamba

# 3DGS RENDERED RESULTS (JPEG COMPRESSION)



Restormer



Dreambooth + LoRA



Vision Mamba

**END**  
**THANKS FOR LISTENING**