

Age-progression face image generation application using GAN/Diffusion

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Abstract: The thesis studies the problem of face aging using the most advanced generative models today, GAN and Diffusion. The author focuses on generating images that simulate the aging process naturally while preserving the identity of the subject. The research applies LoRA fine-tuning techniques on Latent Diffusion to improve the quality of generated images. The achieved results have wide applications in the fields of cinema, forensics, and mobile entertainment applications.

Keywords: Face Aging, Diffusion Model, GAN

References

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