SAR to Optical

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Table I
Data cropped to 64x64, channels kept raw

Model	MAE ↓	RMSE ↓	PSNR (dB) ↑	SSIM ↑
pix2pix	68.06	291.62	37.54	0.9545
SwinUnet	41.58	181.62	41.11	0.9687
UMamba	35.14	158.47	42.67	0.9757
SiMaVP	31.41	139.95	43.75	0.9797

Model	MAE ↓	RMSE ↓	PSNR (dB) ↑	SSIM ↑
pix2pix	70.48	300.88	37.10	0.9490
SwinUnet	47.65	203.04	40.15	0.9648
UMamba	33.60	149.58	42.96	0.9749
SiMaVP	30.09	134.05	44.14	0.9812

Abstract— Index Terms—

I. INTRODUCTION

The Mamba architecture [1].

II. RELATED WORK

III. METHODOLOGY

IV. DATASETS & EXPERIMENTAL SETUP

V. RESULTS AND ANALYSIS

VI. CONCLUSION

ACKNOWLEDGEMENT

REFERENCES

[1] A. Gu, T. Dao, A. Rudra, B. Recht, and T. B. Hashimoto, "Mamba: Linear-time sequence modeling with selective state spaces," *arXiv* preprint arXiv:2312.00752, 2024.

Model	MAE ↓	RMSE ↓	PSNR (dB) ↑	SSIM ↑
pix2pix	69.78	298.66	37.25	0.9491
SwinUnet	45.00	194.12	40.54	0.9662
UMamba	38.83	175.52	41.92	0.9739
SiMaVP	32.12	143.12	43.58	0.9787