RGB

K=5 | Avg CR: 2.87, Avg RMSE: 15.97, Avg PSNR: 24.37 dB, Avg SSIM: 0.7660, Avg Time: 89.50 ms

Total Time: 89.50 s

K=10 | Avg CR: 2.81, Avg RMSE: 10.67, Avg PSNR: 27.97 dB, Avg SSIM: 0.8466, Avg Time: 168.28 ms

Total Time: 168.28 s

K=15 | Avg CR: 2.81, Avg RMSE: 8.68, Avg PSNR: 29.82 dB, Avg SSIM: 0.8799, Avg Time: 215.83 ms

Total Time: 215.83 s

K=20 | Avg CR: 2.83, Avg RMSE: 7.58, Avg PSNR: 31.03 dB, Avg SSIM: 0.8992, Avg Time: 262.06 ms

Total Time: 262.06 s

K=25 | Avg CR: 2.84, Avg RMSE: 6.86, Avg PSNR: 31.93 dB, Avg SSIM: 0.9117, Avg Time: 364.62 ms

Total Time: 364.62 s

K=30 | Avg CR: 2.85, Avg RMSE: 6.35, Avg PSNR: 32.63 dB, Avg SSIM: 0.9208, Avg Time: 429.49 ms

Total Time: 429.49 s

A graph of a performance graph

AI-generated content may be incorrect.

Grayscale

K=5 | Avg CR: 2.87, Avg RMSE: 15.97, Avg PSNR: 24.37 dB, Avg SSIM: 0.7660, Avg Time: 75.79 ms

Total Time: 75.79 s

K=10 | Avg CR: 2.81, Avg RMSE: 10.67, Avg PSNR: 27.97 dB, Avg SSIM: 0.8466, Avg Time: 127.54 ms

Total Time: 127.54 s

K=15 | Avg CR: 2.81, Avg RMSE: 8.68, Avg PSNR: 29.82 dB, Avg SSIM: 0.8799, Avg Time: 164.56 ms

Total Time: 164.56 s

K=20 | Avg CR: 2.83, Avg RMSE: 7.58, Avg PSNR: 31.03 dB, Avg SSIM: 0.8992, Avg Time: 208.74 ms

Total Time: 208.74 s

K=25 | Avg CR: 2.84, Avg RMSE: 6.86, Avg PSNR: 31.93 dB, Avg SSIM: 0.9117, Avg Time: 270.74 ms

Total Time: 270.74 s

K=30 | Avg CR: 2.85, Avg RMSE: 6.35, Avg PSNR: 32.63 dB, Avg SSIM: 0.9208, Avg Time: 311.68 ms

Total Time: 311.68 s

A graph of a graph of a graph

AI-generated content may be incorrect.