

# Image Processing and Patter Recognition - Exercise 0

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October 25 2024



(a) Original image



(b) Cubic interpolation



(c) Linear interpolation



(d) Nearest-neighbor interpolation

Interpolation	MSSIM	PSNR
Cubic	0.9139	31.98
Linear	0.8890	31.09
Nearest-neighbor	0.8031	27.16

Table 1: Comparison of the interpolation strategies

Subjectively, cubic interpolation works best. Linear interpolation is the next-best, while nearest-neighbor interpolation is the worst by a wider margin.

The quantitative error measures gave the following results: