**Figure 15:** *More intermediate editing and stylization results on the flower. Upper (left to right): raster image, smoothed vectorized image, shape editing on the vectorized image. Bottom: four different color editing results on the frontal flower with free-style strokes.*



**Figure 16:** *Feature manipulation. Left to right: Raster image and three vector-based shape manipulation results with feature rotation, translation and deformation, respectively.*



|(a)|(b)|(c)|(d)|(e)|
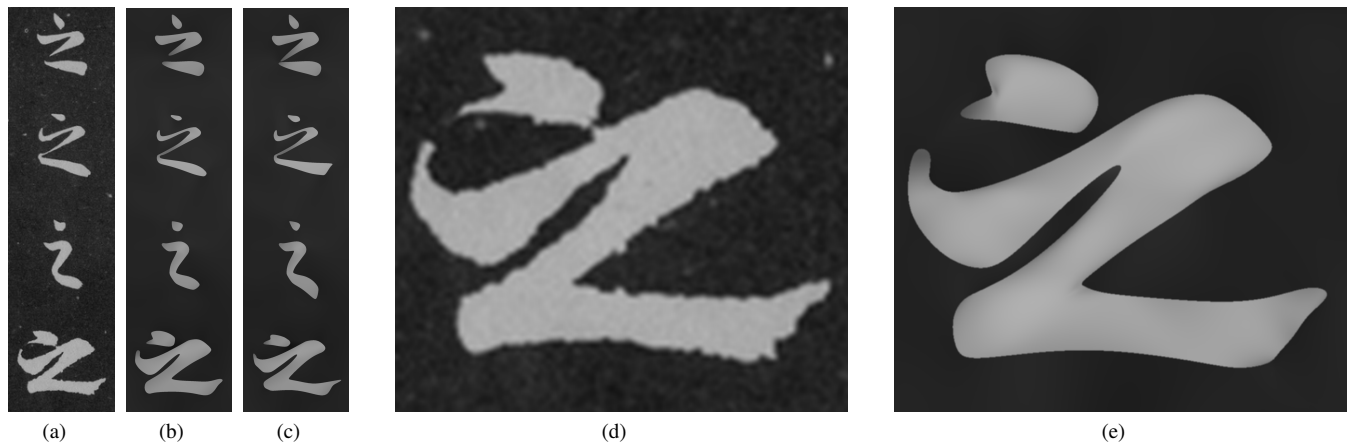
**Figure 17:** *Chinese calligraphy vectorization and manipulation. (a) Raster image. (b) Vectorization result. (c) Shape editing result. (d) Magnification (8x) of a region in (a) using bicubic interpolation. (e) Magnification (8x) of a region in (b).*

**Figure 18:** *Stylization and cropped magnification (8x) results.*
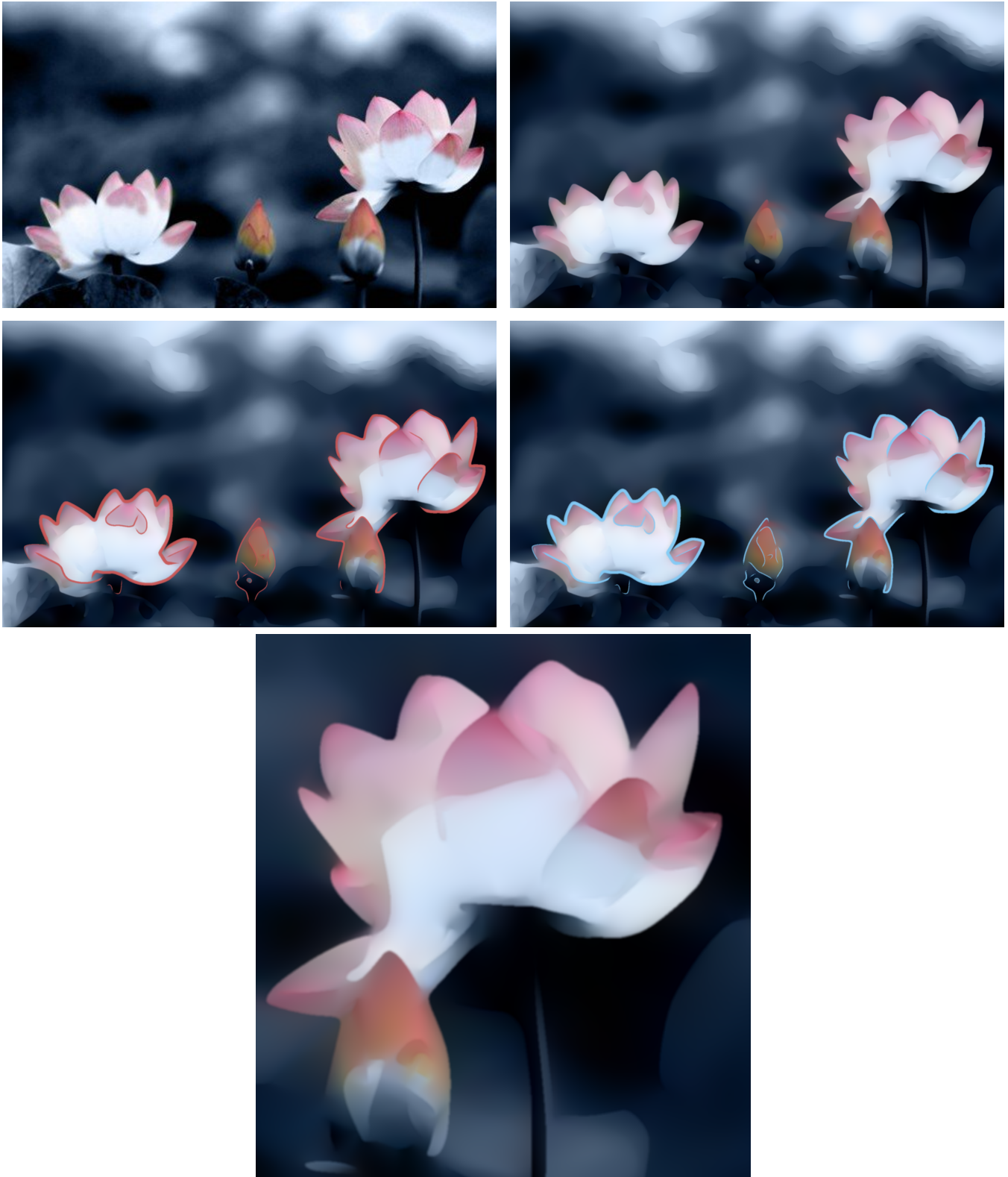
**Figure 19:** *An additional stylization example and cropped magnification (4x) result.*

**Figure 20:** *Multilevel abstraction. Left: Original raster image. Middle: Finest level abstraction based on vectorization. Right: Coarsest level abstraction based on vectorization.*



**Figure 21:** *Another stylization example.*

**Figure 22:** *Our stylization results (Bottom Left and Bottom Right, weakened color variations within regions), in comparison with a result from [DeCarlo and Santella 2002] (Upper Right, regions filled with constant colors). Both methods show visually interesting results, but with different stylization emphases.*