



figure 5.1. *Anisotropic diffusion of a noisy color image. See text.*

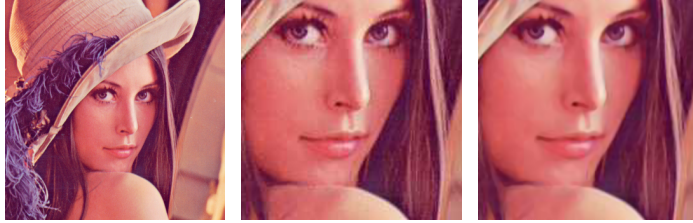


figure 5.2. *Anisotropic diffusion of a JPEG-compressed color image. See text.*

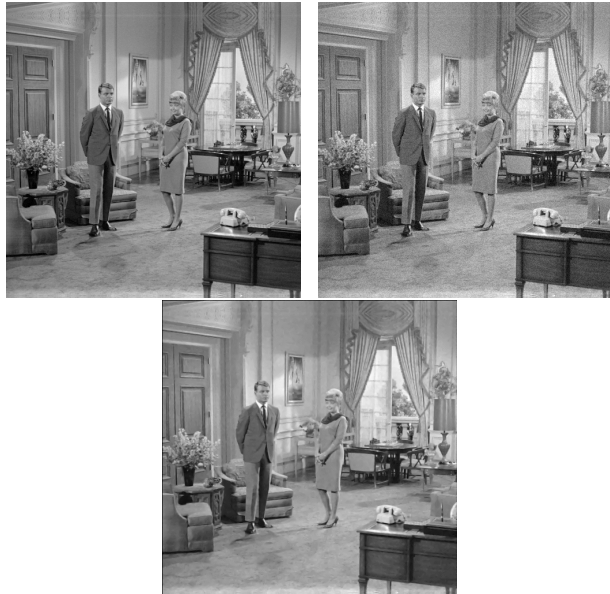


figure 5.3. *Vector image processing in a wavelet-like decomposition.*

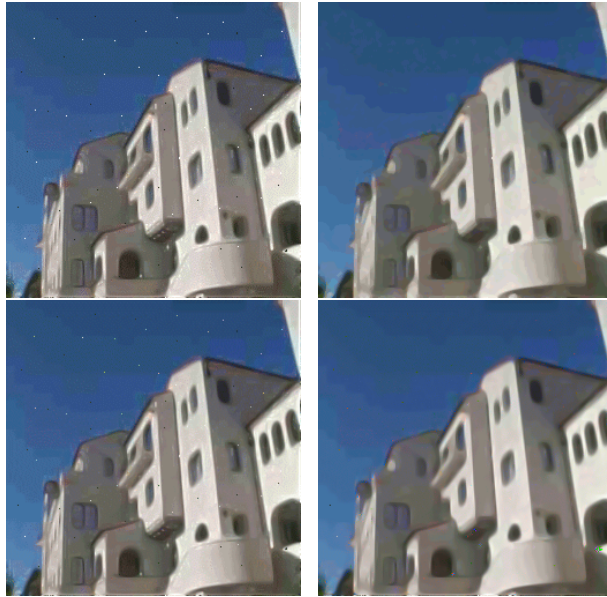


figure 5.4. *Simulated results of the theoretical connections derived in this section. The top right shows the result of alternating (5.8) and (5.11) for 1 step with a 3×3 discrete support (since these equations correspond to erosion and dilation respectively, alternating them constitutes an opening filter). The bottom figures show results of the vectorial PDE derived from the mean curvature motion for the first component and projected mean curvature motion for the rest (after 2 and 20 iterations respectively). All computations were performed on the Lab color space.*

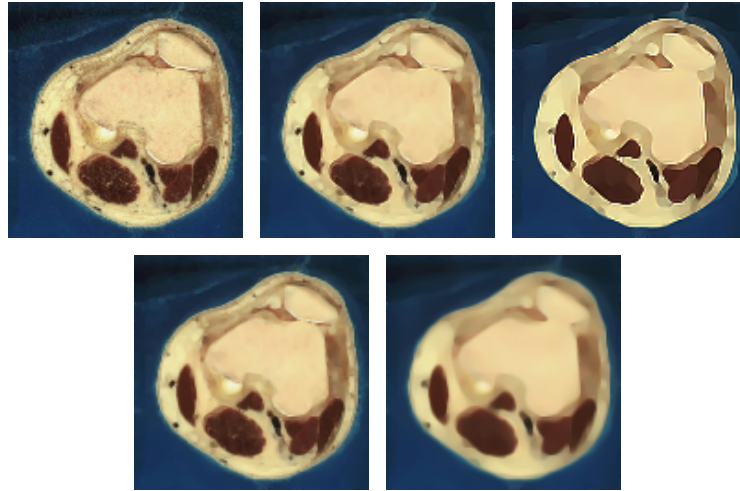


figure 5.5. *Example of the color self-snakes. The first row presents the original image on the left and two steps of the color self-snakes, being the figure on the right the steady state solution of the flow. The last row shows the two same steps again of the color self-snakes without the shock-type part. Note that this flow will continue to smooth the image.*