

Fig. 1 Object removal for the marble sculpture. (a) The target image; (b) The repairing result by exemplar-based image inpainting; (c) Object removal with 9,284 occluded pixels in red; (d) The LDV image; (e) The warped LDV image; (f) Image stitching result with obvious mismatch on the wall and the banner; (g) Optimization result of overlapping correspondences; (h) Our repairing result.

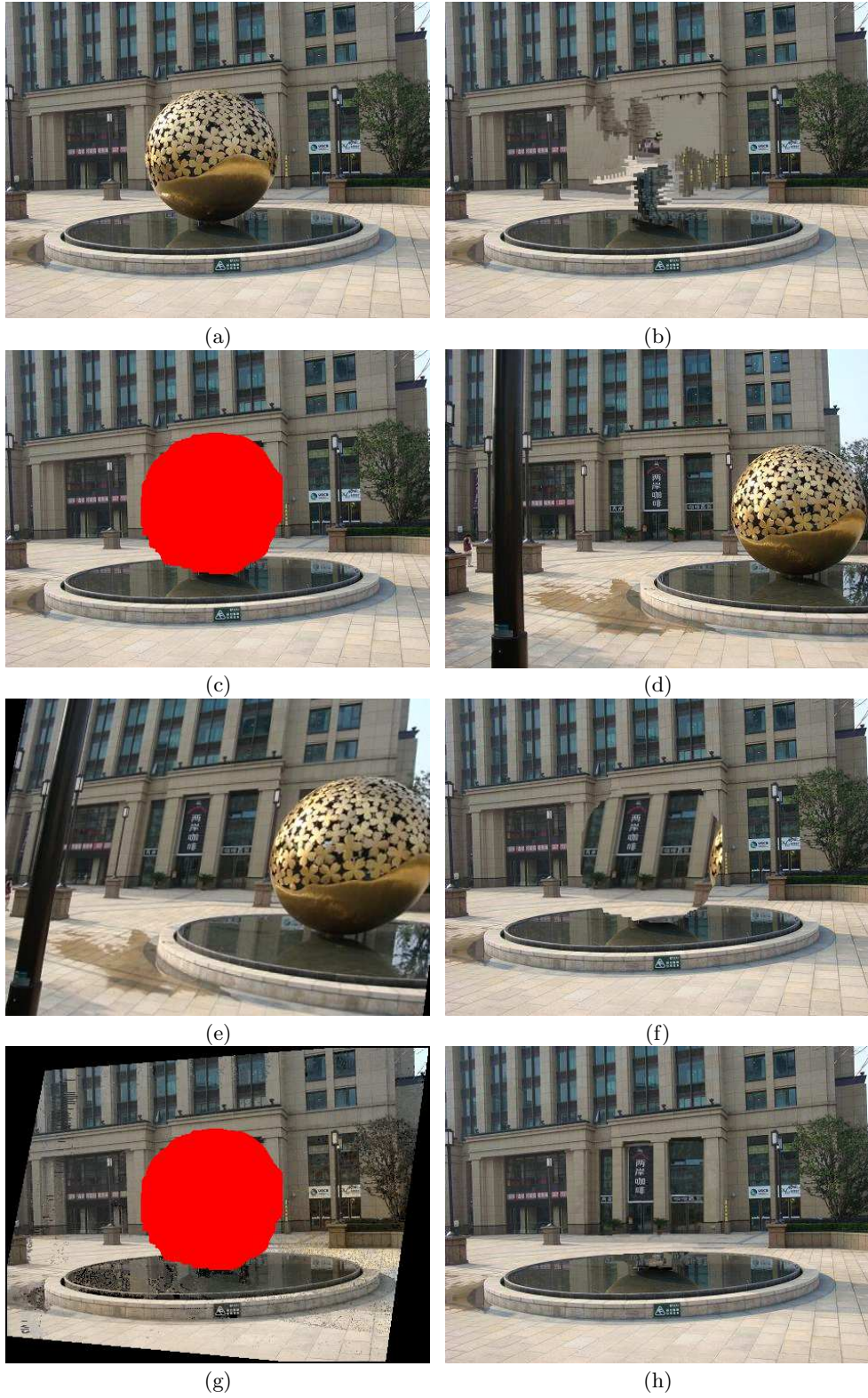


Fig. 2 Object removal for the spherical statue. (a) The target image; (b) The repairing result by exemplar-based image inpainting; (c) Object removal with 19,727 occluded pixels in red; (d) The LDV image; (e) The warped LDV image; (f) Image stitching result with obvious mismatch on the building and the pond; (g) Optimization result of overlapping correspondences; (h) Our repairing result.

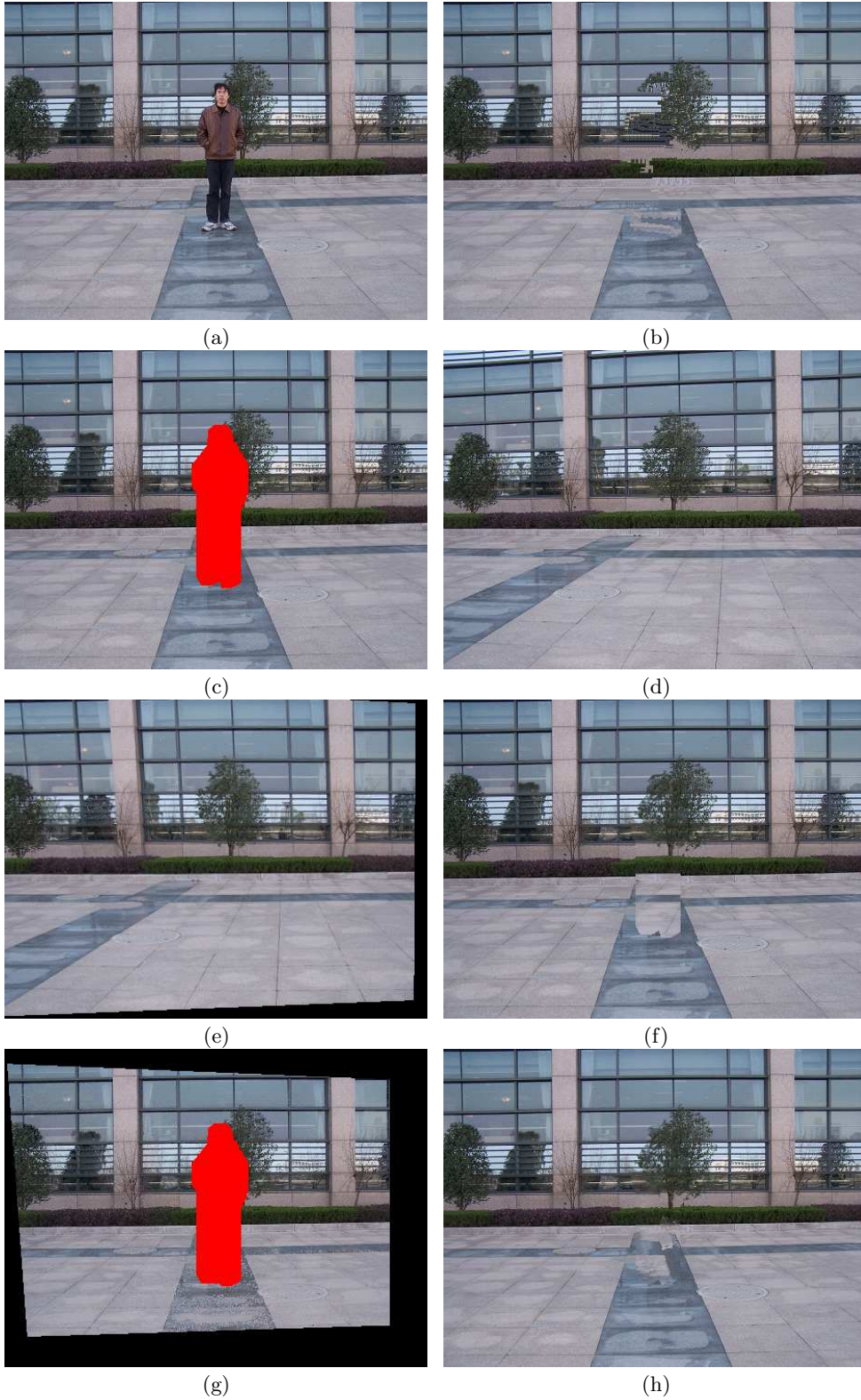


Fig. 3 Human removal. (a) The target image; (b) The repairing result by texture synthesis based method; (c) Human removal with about 9,000 occluded pixels in red; (d) The LDV image; (e) The warped LDV image; (f) Image stitching result with obvious mismatch on the ground; (g) Optimization result of overlapping correspondences; (h) Our repairing result.

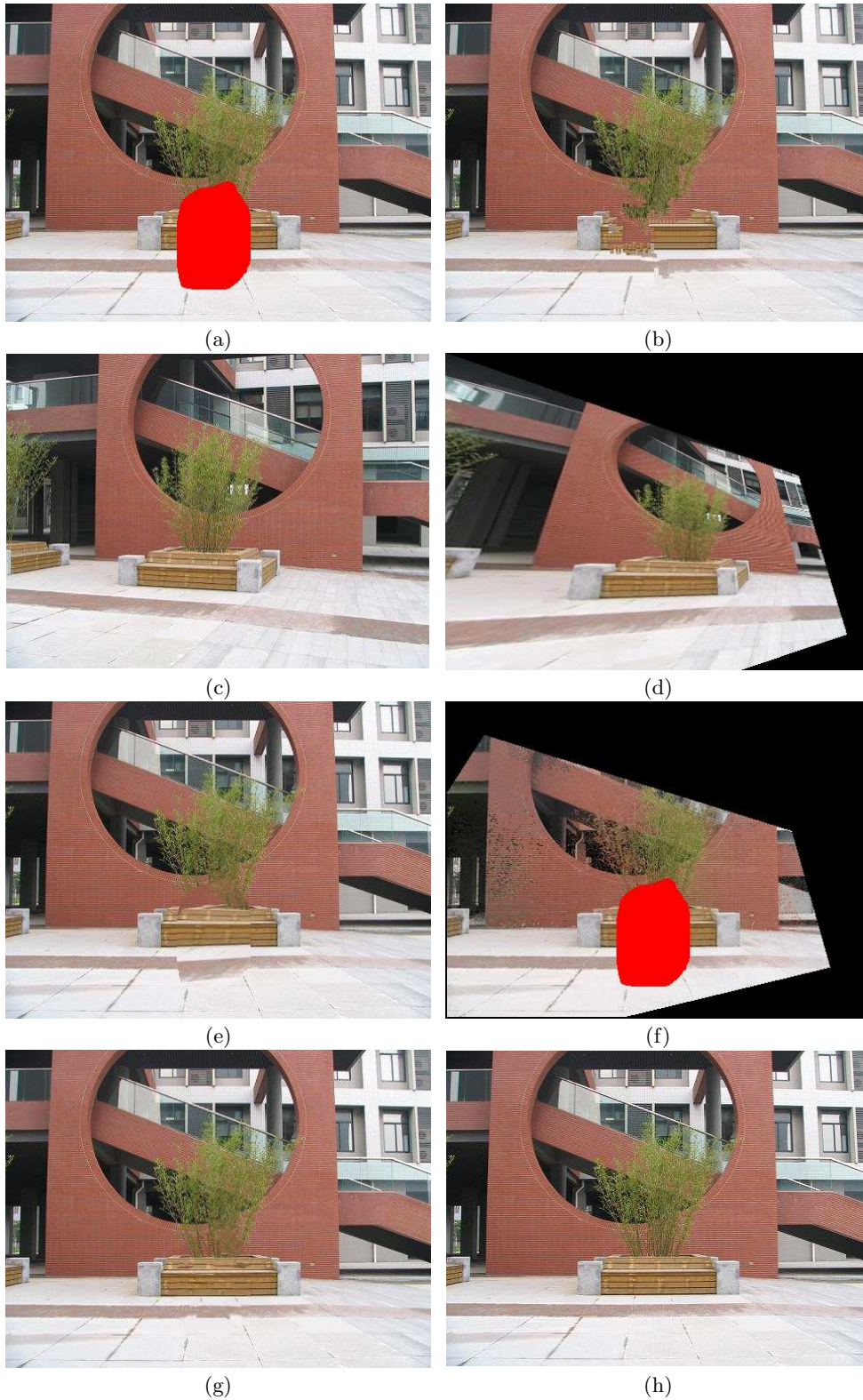


Fig. 4 Completion for the profile of a building. (a) The target image with 8,863 missing pixels in red; (b) The repairing result using a classical method; (c) The LDV image; (d) The warped LDV image; (e) Image stitching result with obvious mismatch on the ground and incompleteness in the bamboo; (f) Optimization result of overlapping correspondences; (g) Our repairing result; (h) The ground truth.

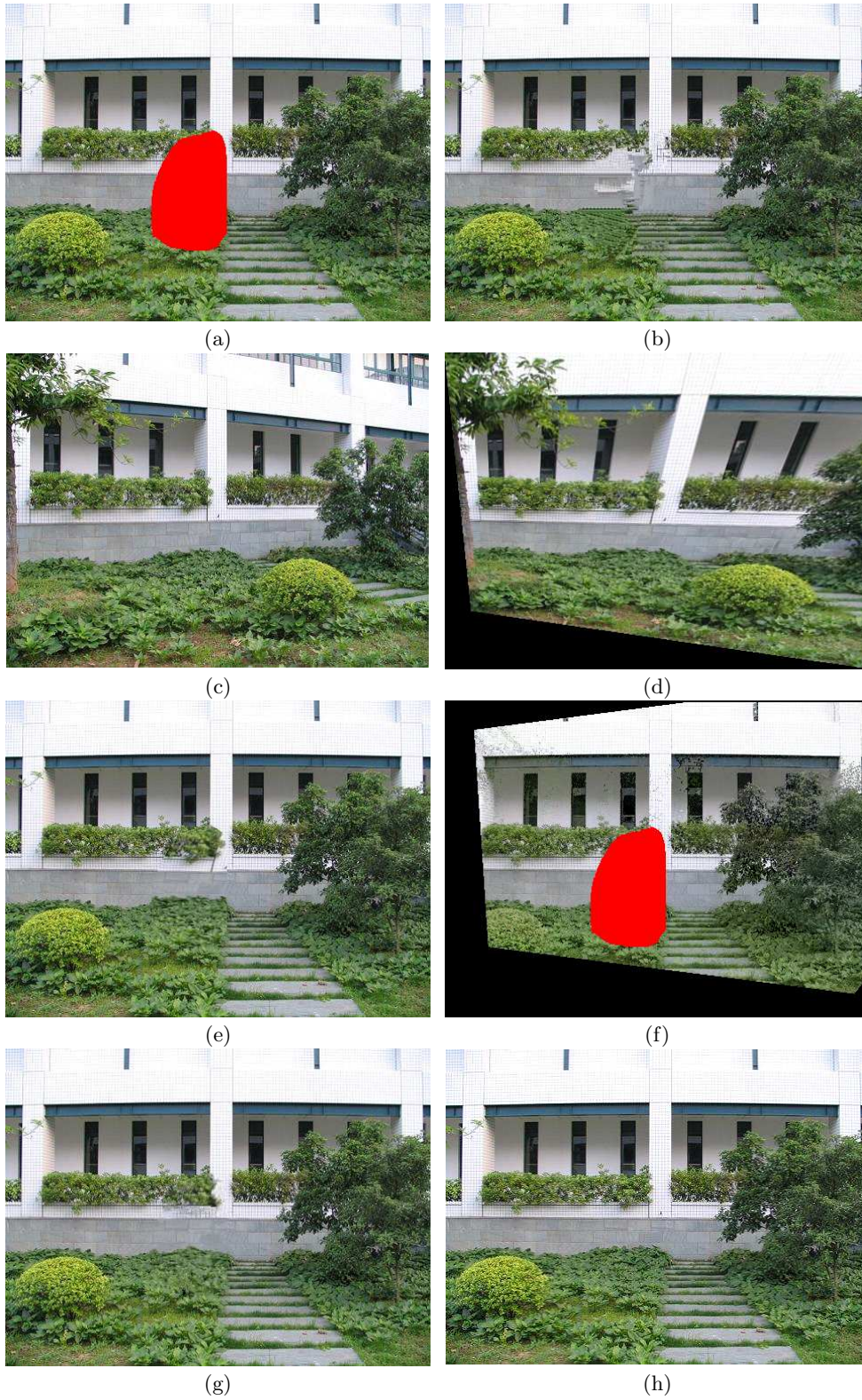


Fig. 5 Completion for one corner of a building. (a) The target image with 9,822 missing pixels in red; (b) Repairing result by texture synthesis based method; (c) The LDV image; (d) The warped LDV image; (e) Image stitching result with slight mismatch on the wall; (f) Optimization result of overlapping correspondences; (g) Our repairing result; (h) The ground truth.

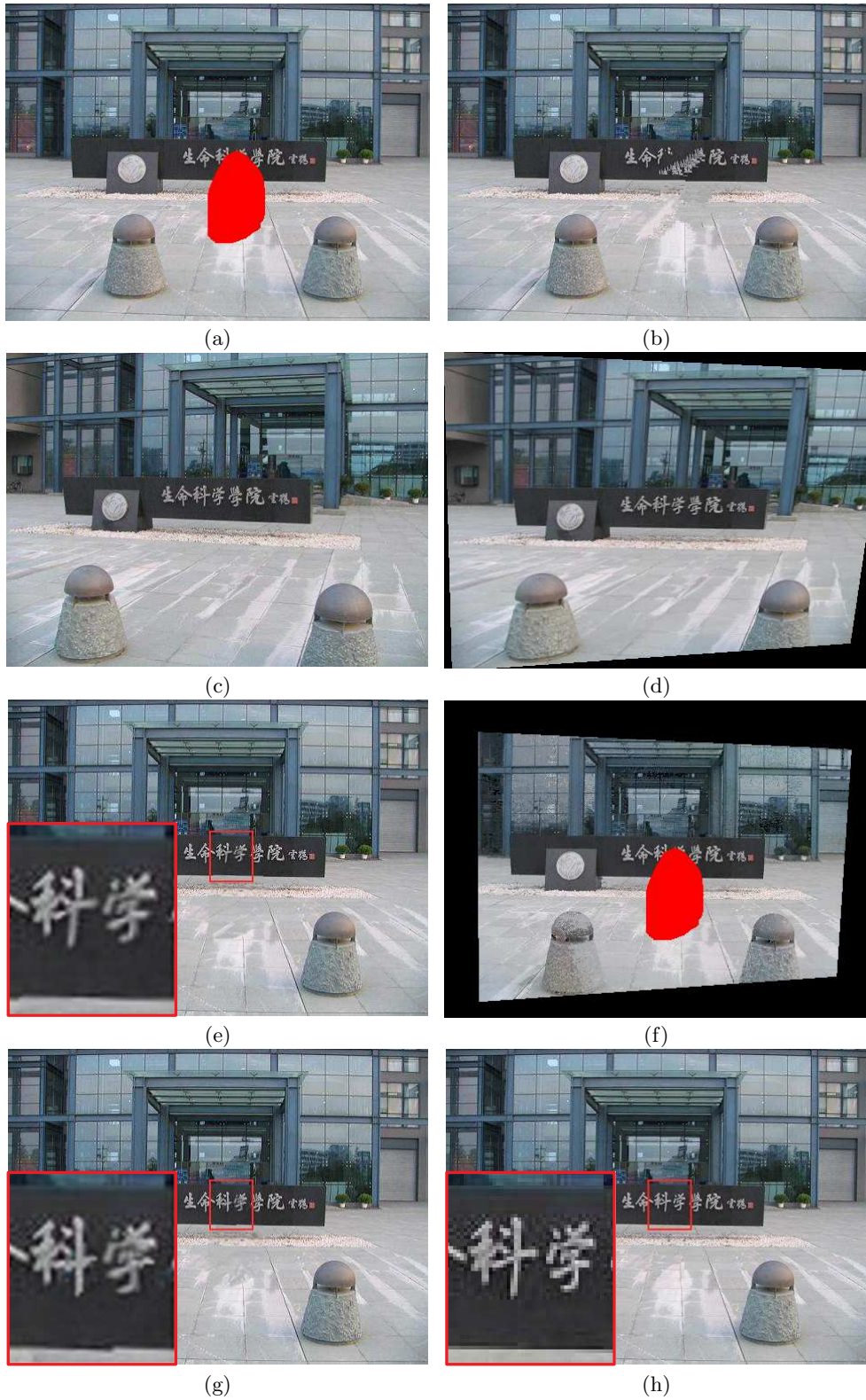


Fig. 6 Completion for the frontal view of an office building. (a) The target image with 5,721 damaged pixels in red; (b) The repairing result by texture synthesis based method; (c) The LDV image; (d) The warped LDV image; (e) Image stitching result and a local zoom view with distorted strokes on the Chinese characters; (f) Optimization result of overlapping correspondences; (g) Our repairing result with a local zoom view; (h) The ground truth with a local zoom view.

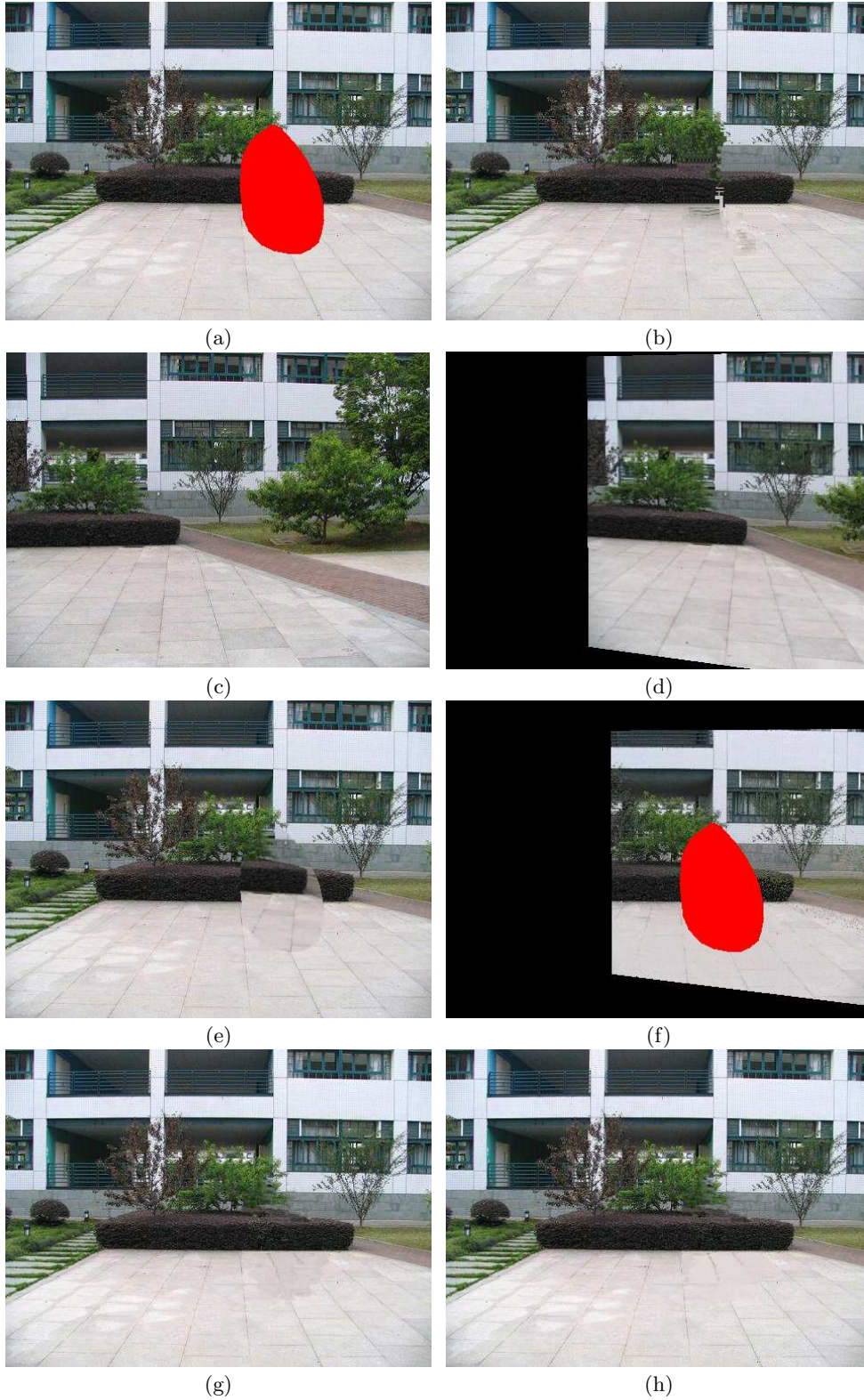


Fig. 7 Completion for one corner of a building. (a) The target image with 10,170 red missing pixels; (b) The repairing result using a traditional method; (c) The LDV image; (d) The warped LDV image; (e) Image stitching result with obvious mismatch on the ground and the shrub; (f) Optimization result of overlapping correspondences; (g) The repairing result without Poisson image blending; (h) The final repairing result.