1. What is the common approach to process high dynamic range imaging?

Answer:

(1)Estimate the radiometric response function from the aligned images.

(2)Estimate a radiance map by selecting or blending pixels from different exposures.

(3)Tone map the resulting high dynamic range (HDR) image back into a displayable gamut.

1. (1)What is image matting and compositing?

(2)What is vignetting?

Answer:

(1): Image matting and compositing is the process of cutting a foreground object out of one image and pasting it against a new background. During matting, the foreground elements are extracted. During compositing, the extracted foreground elements are placed onto a novel background.

(2): Vignetting is that the image tends to darken in the corners with using wide-angle and wide-aperture lenses.