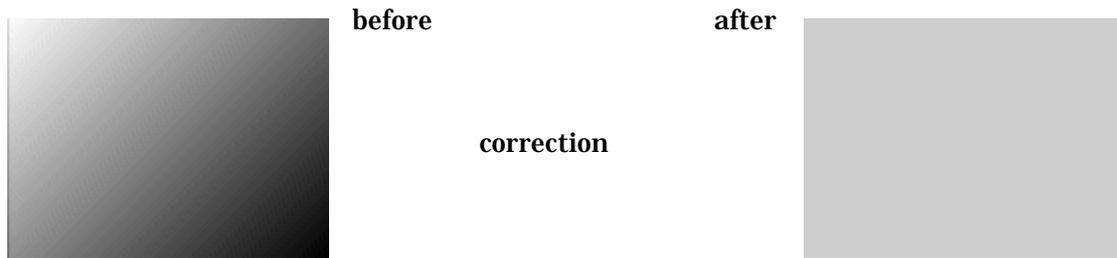


Shading correction and smoothing white dots

For real time X-ray inspection machine image processing could be essential because original X-ray image captured by X-ray CCD camera or another X-ray imager is grainy and low contrast. To gain sharp image we usually use image processing such as frame integration, recursive filter or contrast enhance technique. Accordingly in this time technical note we explain image subtraction technique for shading correction and smoothing white dots.

1. shading correction



2. white dots

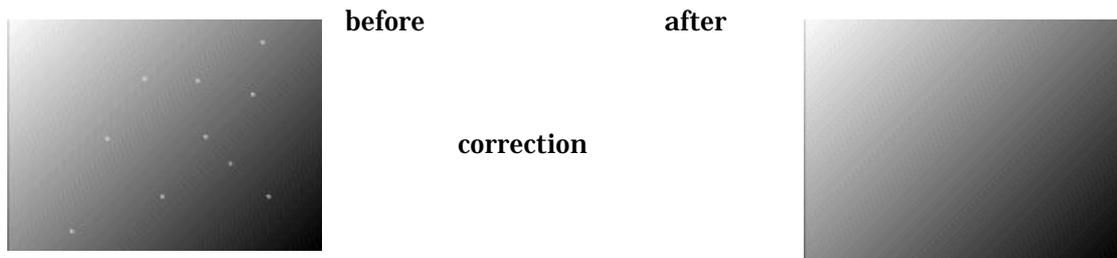


Image subtraction

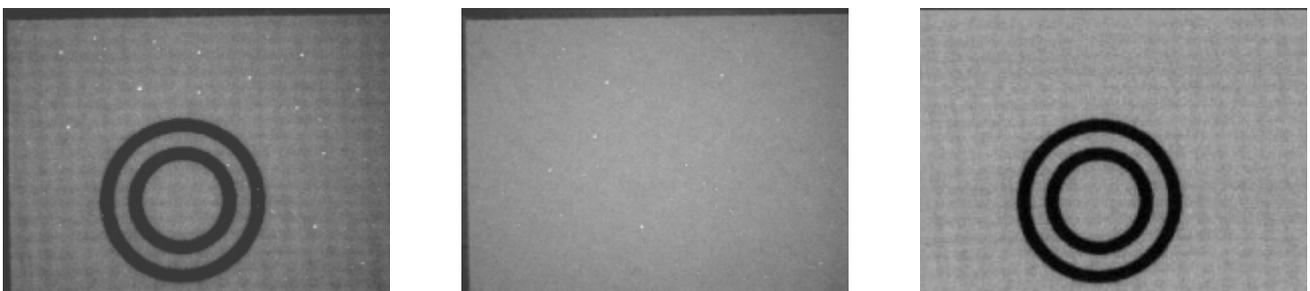
Image subtraction is useful for improving both of shading and white dots problem.

For image subtraction users have to prepare background image which is reference data of shading information and white dots.

original image

background

subtracted image



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