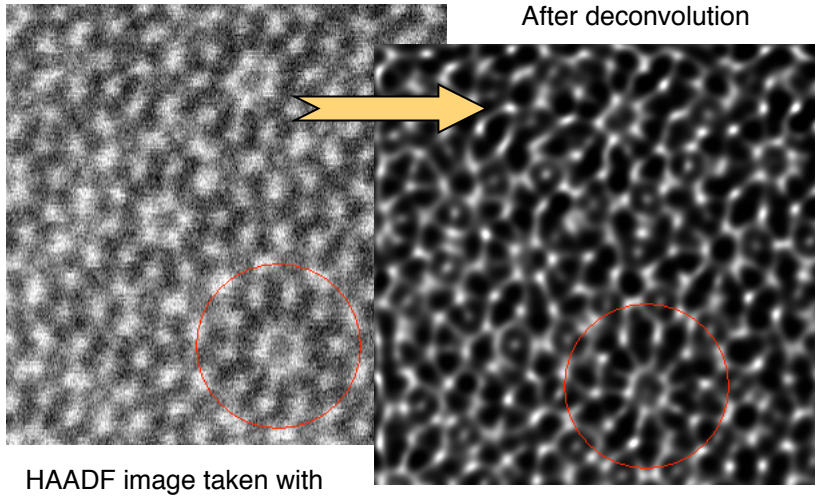
DeConvHAADF

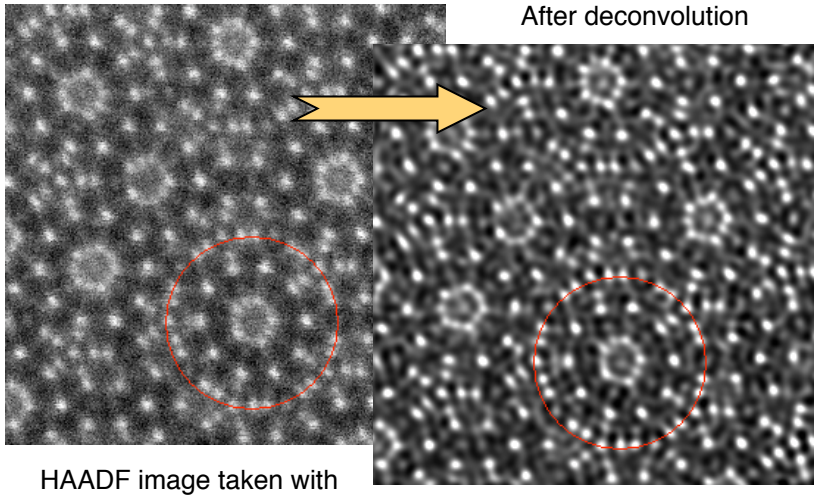
DigitalMicrograph Plug-in

STEM-HAADF Image Deconvolution

Software Cs-Corrector for STEM-HAADF imaging



HAADF image taken with
JEOL 2010F (200kV)



HAADF image taken with
JEOL 2100F with CEOS Cs-corrector (200kV)

DeConvHAADF rectifies a STEM-HAADF image by eliminating a spread of probe due to spherical aberration of the probe forming lens, and thus is a software *Cs-corrector*.

Advanced Deconvolution Algorithms DeConvHAADF uses a Maximum Entropy Method or the Richardson-Lucy Algorithm

Easy-to-use User Interface DeConvHAADF is a plug-In for use in DigitalMicrograph (Gatan).

DeConvHAADF normally works with default setups, while the user can change its setups easily within a custom-made setup dialog.

3D Module (Option) STEM 3D data can be deconvoluted using a Maximum Entropy Method or the Richardson-Lucy Algorithm.

About the Image HAADF images of two different AlNiCo quasi crystals (Courtesy of Prof. Eiji Abe)

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