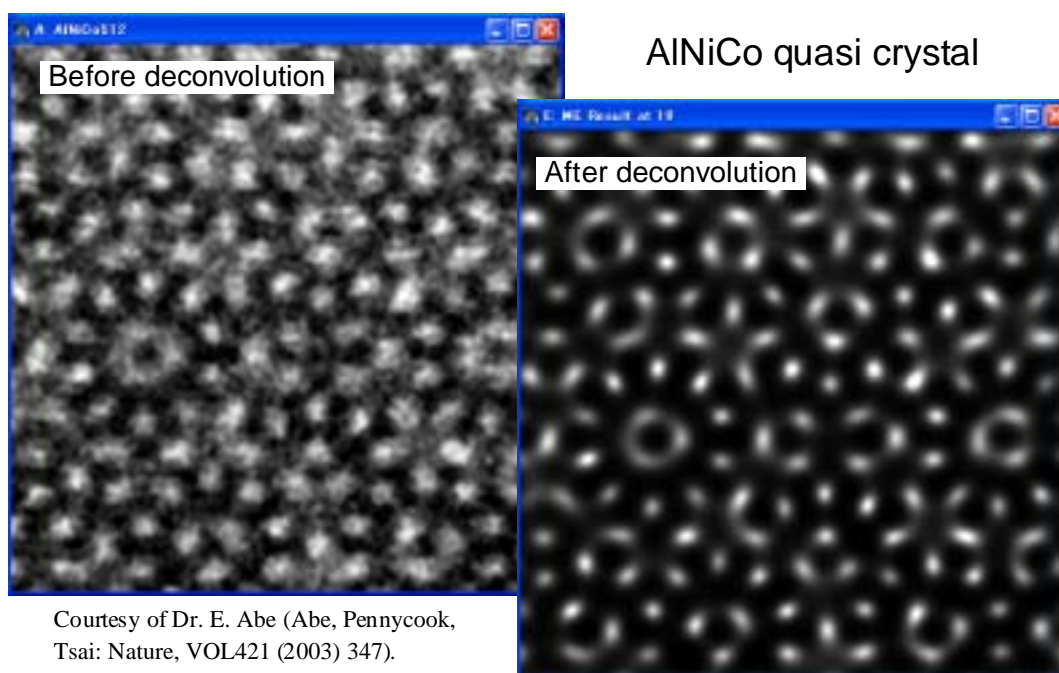


*DigitalMicrograph
Plug-in*

DeConvHAADF

Software Cs-Corrector

DigitalMicrograph Plug-in for STEM-HAADF Image Deconvolution



Courtesy of Dr. E. Abe (Abe, Pennycook,
Tsai: Nature, VOL421 (2003) 347).

Deconvolution of AlNiCo quasi crystal taken on JEOL 2010F

DeConvHAADF is the software for rectifying a STEM-HAADF image by deconvoluting it with a probe function (a point spread function). This is a software Cs-corrector, since it will eliminate a spread of probe due to the spherical aberration of probe forming lens. The DeConvHAADF software consists of a suite of scripts and a Plug-In for use in Gatan's DigitalMicrograph 3.4, or later, both for Windows and Macintosh platforms.

- Advanced deconvolution algorithms The DeConvHAADF software uses a Maximum Entropy Method or the Richardson-Lucy Algorithm for image deconvolution.
- Easy-to-Use User Interface The DeConvHAADF software is easy to use and normally works with default setups. Nevertheless, the user can change its setups easily within a custom-made setup dialog.

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