

Probe position and line shift correction for non-coherent scanning microscopy

At the P06 beamline of PETRAIII we sometimes see shifted lines in our scanning microscopy images, presumably stemming from mechanical imperfections in our scanning equipment. The magnitude of the line shifting is somewhat larger than the size of our probe, and is therefore limiting our image resolution/quality. As we deal with a wide variety of samples at P06, we would like the summer student to focus on correction methods that do not rely on assumptions about the sample, but rather on the measured properties of the probe.

Field

A4: Development of experimental techniques (methodology oriented)

DESY Place

Hamburg

DESY Division

FS

DESY Group

FS-PETRA-S

Special Qualifications:

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