ERRATA

STM OBSERVATION OF GRATING SURFACES

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On page 184
line 9 should read

θ is the obverse portion . . . .

On page 185
line 4 should read

. . . . are drawn assumed to be the respective planes.

On page 185
line 3 from the bottom should read

. . . . in Fig. 7, and the STM image of the same grating is shown in Fig. 8. . . .

On page 186
Table 1 should read

Table 1. Measurable quantities about grating surface versus radius of curvature relationship (for the case: $\phi = 90^\circ$).

Item \ Region	I	II	III
Radius of curvature, R of probe tip	$R_I < d \sin \theta$	$R_{II} < d/2 \sin \theta$	$R_{III} < 2 \cos^{-1} \{ d/(2R_{III}) \}$ ($> 90^\circ$) regardless of θ
Has the image straight portion(s)?	Both A and B have.	Only A has.	Neither A nor B has.
Can θ be estimated from the image obtained?	Yes	Yes	No
Can ϕ be estimated from the image obtained?	Yes	No	No
Can R be estimated from the image obtained?	Yes	Yes	Yes
Included Angle, Θ , between A and B in the image at a valley	90° regardless of d , θ and R_I	$\cos^{-1} (d \sin \theta / R_{II} - 1)$ ($> 90^\circ$)	$2 \cos^{-1} \{ d/(2R_{III}) \}$ ($> 90^\circ$) regardless of θ