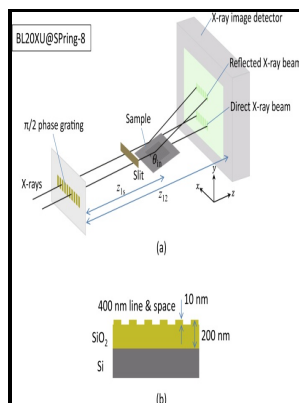


X-ray optics and surface science

SPIE--the International Society for Optical Engineering in association with SPIE Russia
Chapter - Konferenzen



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 Mirrors -- Congresses.
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 X-ray optics -- Congresses. X-ray optics and surface science
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Oberflächenanalyse

The requirements for energy ranges and effective collecting area are examined. Such foil can be fabricated to a proper geometry and coated with a smooth layer of high density metal. Atlas of electrochemical equilibria in aqueous solutions.

Konferenzen

Our laboratory is involved in fabricating imaging x-ray optics for both astronomical and laboratory applications. In an imperfect lens, however, because of the presence of aberrations, the emerging wave is not a perfect sphere, and the optical paths from the wave to the image point are then not all equal. Figure 117 shows planar parabolic lenses made of silicon, fabricated by RWTH in Aachen.

Using "Tender" X

An entire image is generally produced simultaneously, as by the lens in a camera, but images may also be generated sequentially by point-by-point scanning, as in a television system or in the radio transmission of pictures across long distances in space. The Fizeau interferometer having a flat reference surface is placed facing the deformable mirror to monitor the surface profile.

Using "Tender" X

Additionally, single- and multi-layer coatings are developed to enhance the reflectivity. A 7 Å rms roughness for Si, 10 Å for W-Re, and a reflectivity of 10% were evaluated for each telescope mirror.

Konferenzen

Herein, we can use a photoelectron transparent and functioning thin electrolyte film to investigate the electrochemical double layer and other electrochemical phenomena originated at the solid-liquid interface in situ. Here the front lens A is the objective, forming an inverted image of the target on the cross wire or reticle at B. During the past ten years, many developments in the use of AP-XPS have been made, including the use of

synchrotron X-ray sources ,,,.

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