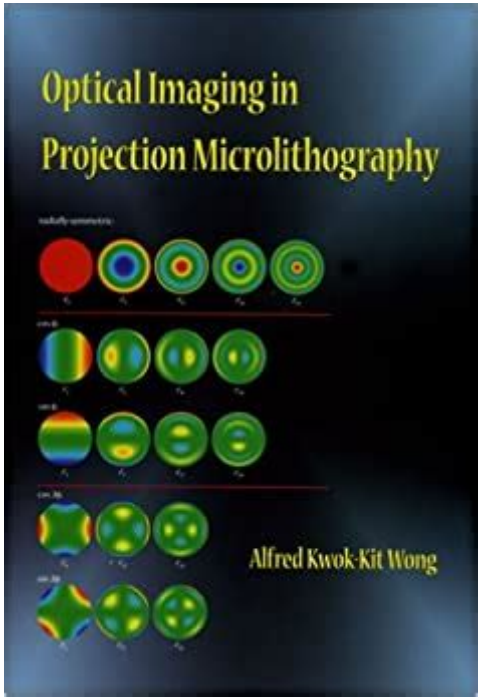

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An imaging optical system (7) comprises a plurality of mirrors (Ml to M8), which image an object field (4) in an object plane (5) into an image field (8) in an image plane (9). At least one of the mirrors (M6, M7, M8) is obscured, and thus has a through-opening (21) for imaging light (15) to pass through. The fourth-last mirror (M5) in the light path before the image field (8) is not obscured ...

WO2009052932A1 - Imaging optical system and projection ...
Optical elements of projection imaging system illuminated with Köhler illumination. Shown are (a) the object and image locations of the illumination and projection optics, and (b) the image of the condenser lens pupil in the objective lens. Through the manipulation of these apertures relative to each other, control of the spatial coherence of the system is possible. Spatial coherence in a ...

Optical projection lithography - ScienceDirect
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First optical projection systems were introduced in the mid-seventies to manufacture microelectronic circuits with approximately 2 ... Fig. 1 presents a schematic setup of a lithographic projection imaging system. The condenser shapes the emitted light of a source for a uniform illumination of the mask. The projector collects a part of the diffracted light from the mask in the object plane and ...

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Photolithography - Wikipedia
IMAGING OPTICAL SYSTEM AND PROJECTION EXPOSURE INSTALLATION FOR MICROLITHOGRAPHY WITH AN IMAGING OPTICAL SYSTEM OF THIS TYPE . United States Patent Application 20120069312 . Kind Code: A1 . Abstract: An imaging optical system has a plurality of mirrors which image an object field in an object plane in an image field in an image plane. The imaging optical system has a pupil obscuration. The ...

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A kind of imaging optical system (7) has multiple catoptron (M1 to M6), and the thing field (4) in object plane (5) is imaged onto in the image field (8) in picture plane (9) by it.Imaging optical system (7) has pupil and blocks.Last catoptron (M6) in the beam path of the imaging (3) between thing field (4) and image field (8) has the through hole (18) passed for imaging (3).The through hole ...

CN102317866B - Imaging optical system and there is the ...
The imaging optical system 7 has a plurality of mirrors M1 to M6 for imaging the object field 4 of the object plane 5 in the image field 8 of the image plane 9. [The imaging optical system 7 has a pupil obscuration. The last mirror M6 in the beam path of the imaging light 3 between the object field 4 and the image field 8 has a through-hole 18 through which the imaging light 3 passes.

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