

Abstract Submitted
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Alignment system for doubly curved crystal x-ray optics AYHAN BINGOLBALI, CAROLYN MACDONALD, University at Albany — Doubly curved crystal (DCC) optics efficiently diffract a large area beam from a laboratory point source to produce a monochromatic focus. DCC optics have application in crystallography, x-ray fluorescence, and imaging. In order to obtain maximum intensity from doubly curved crystal (DCC) optics, accurate alignment of the optic is crucial. A simulation model and alignment system have been developed which allow rapid optimization of the six axis position and angle of the optic in an x-ray system.

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