Title:

Design and fabrication of computer-generated hologram dispersers for computed-tomography imaging spectrometers

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Abstract:

Computer-generated holograms (CGHs) can function as dispersive elements for computed-tomography imaging spectrometers. CGH dispersers allow the designer to tailor the positions and intensities of the dispersed images to efficiently utilize the area and dynamic range of the focal plane array. The design, simulation, and electron-beam fabrication of such dispersers will be described.

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