

Abstract Submitted  
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**Volumetric Visualization Of X-RAY Phase Contrast Computed Tomography** COLLIN EPSTEIN, Davidson College, Sandia National Laboratories, DANIEL BOYE, Davidson College, RYAN GOODNER, KYLE THOMPSON, AMBER DAGEL, Sandia National Laboratories — X-ray phase contrast imaging (XPCI) utilizes the wave properties of X-rays to capture high-contrast radiographs of objects consisting of low-density materials that yield low-contrast, uninformative images. Combining XPCI with computed tomography (CT) enables the collection of high-contrast volumetric data of those low-density objects. We investigate the possibilities of rendering and examining the resulting data using three-dimensional (3D) visualization techniques and virtual reality (VR).

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