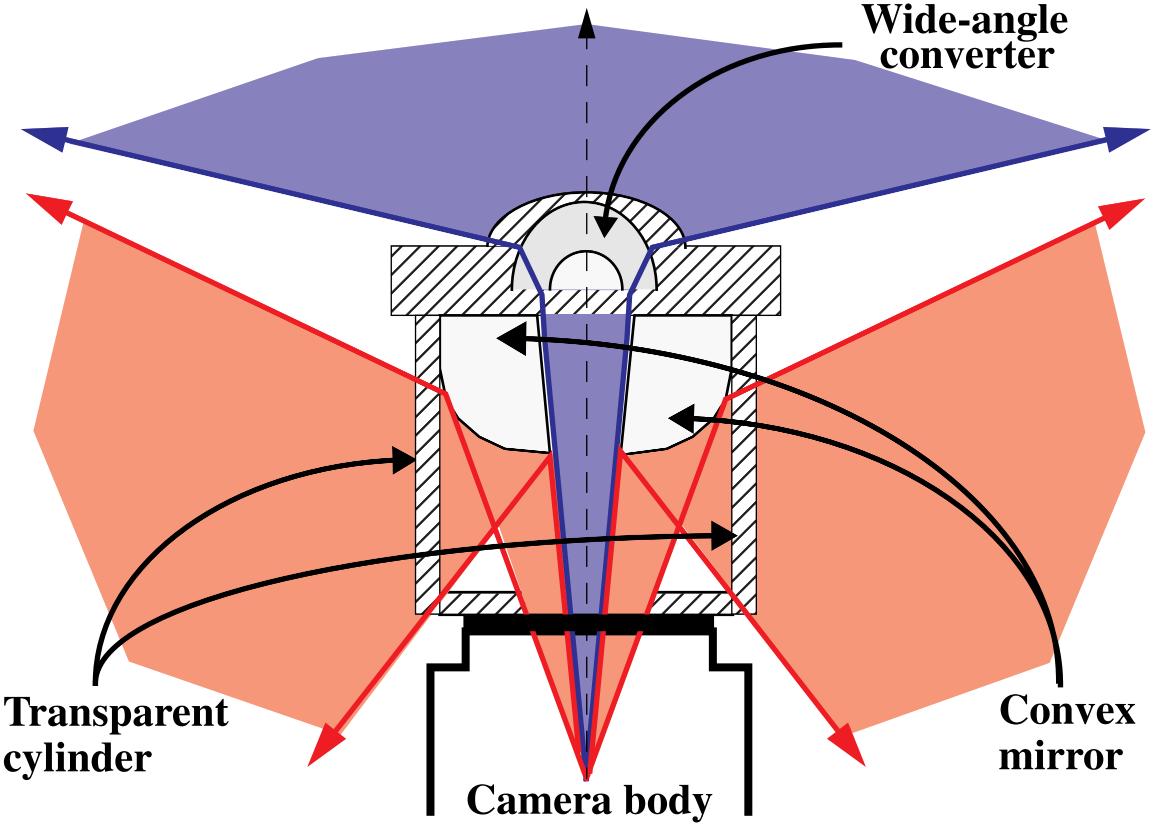
Panospheric Optic

Wide-angle converter captures horizon to overhead

Convex mirror captures near-ground to horizon

Geometry of optic affects fields-of-view and areas of both regions

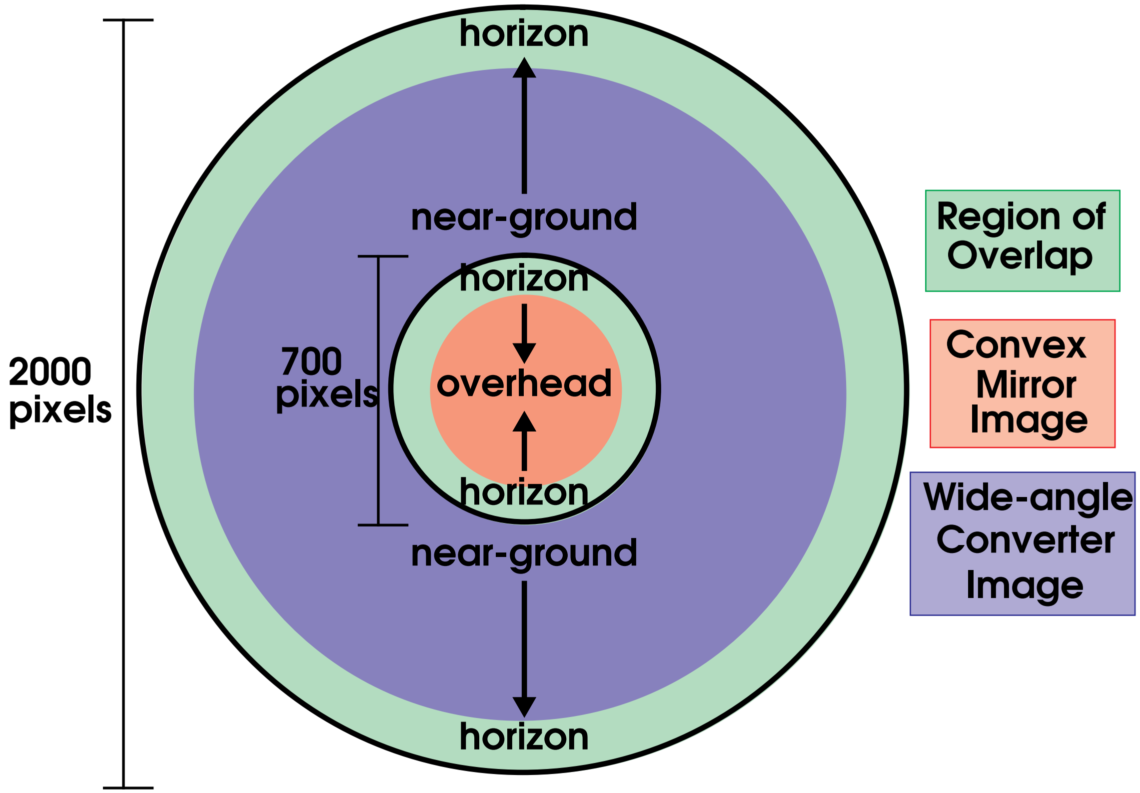


Panospheric Image

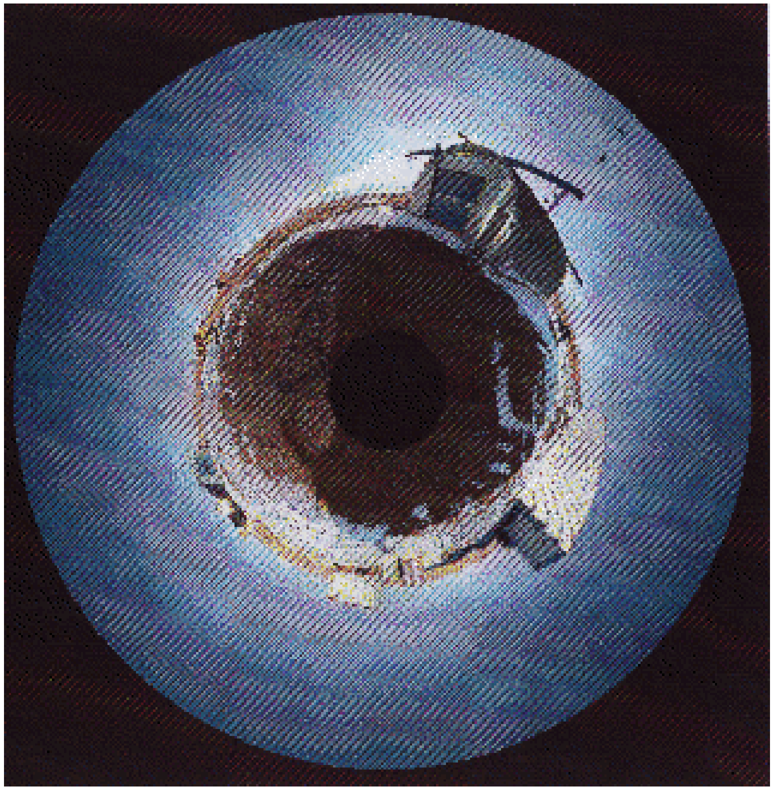
Outer region from convex mirror

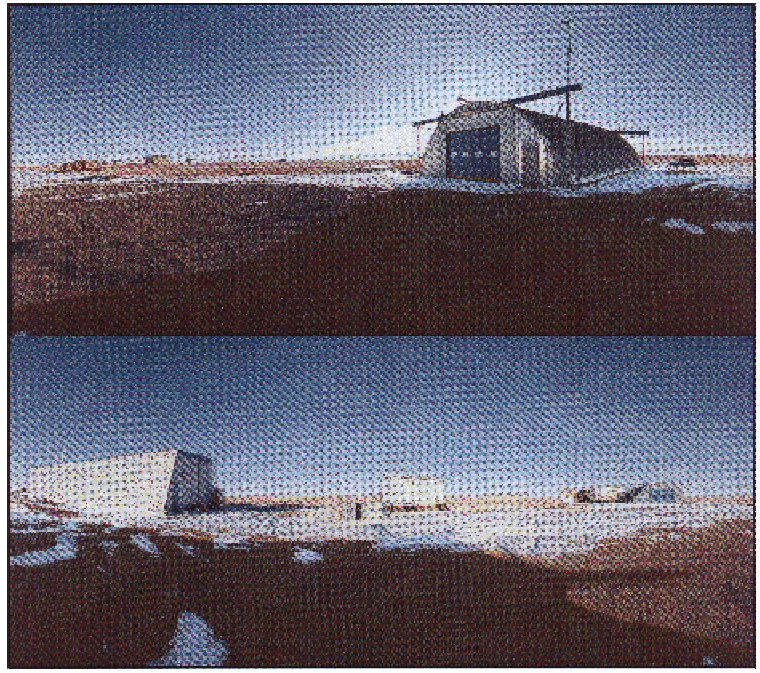
Inner region from wide-angle converter

Outside portion of both regions contains same information, but at different resolutions



Dewarping the Image





Sample warped image

Dewarped panorama

Image based on conic mirror (no overhead view)

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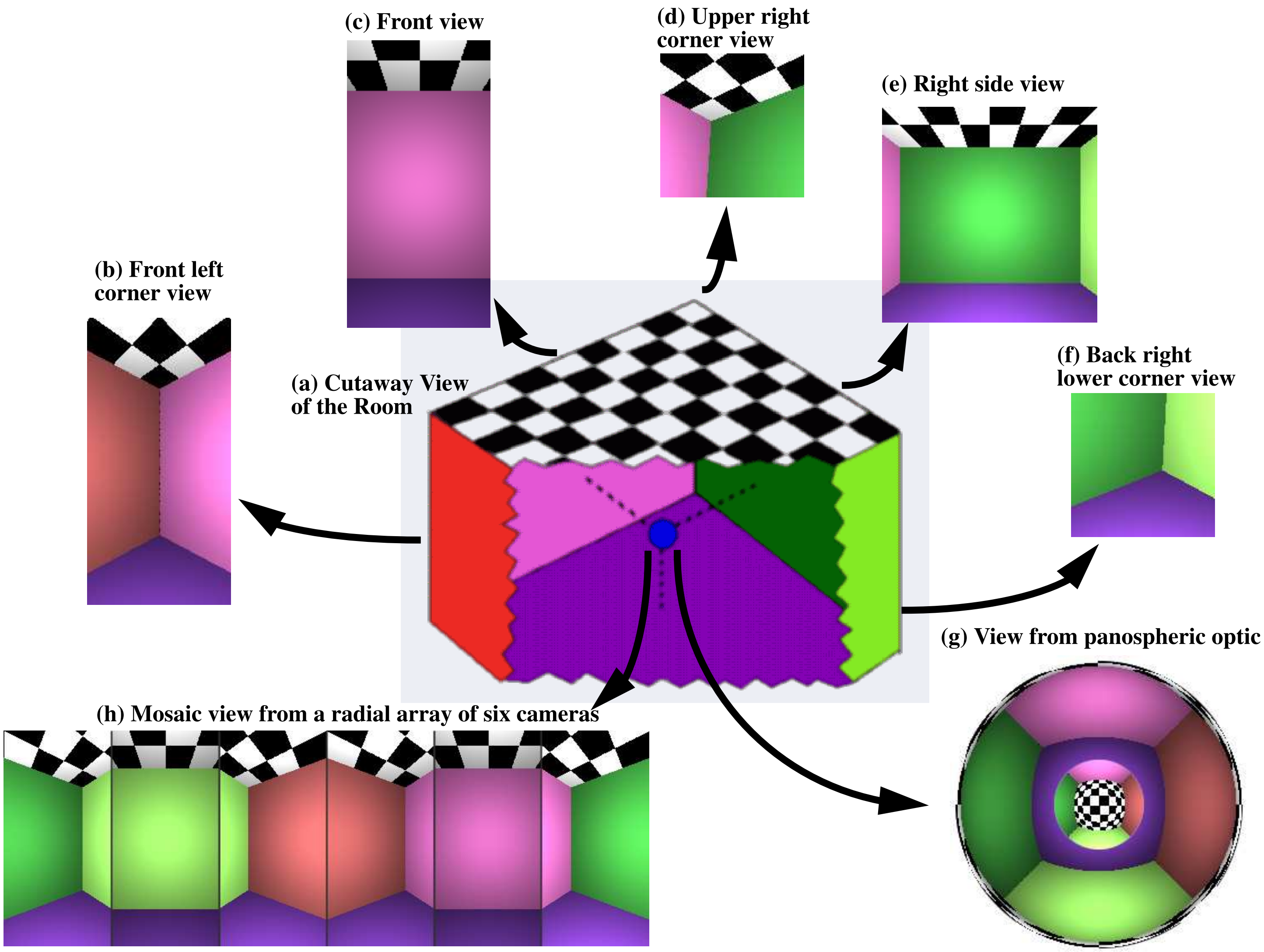
Results of Graphical Model



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