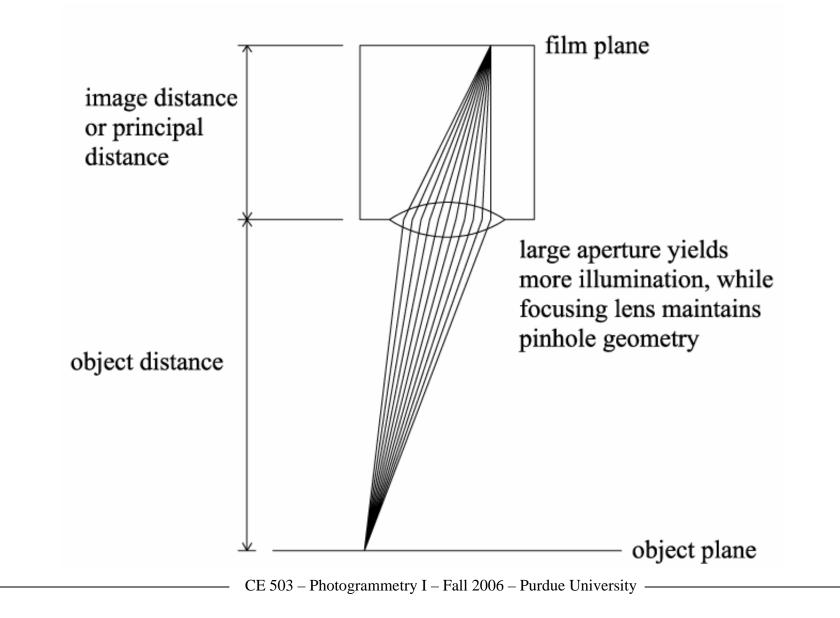
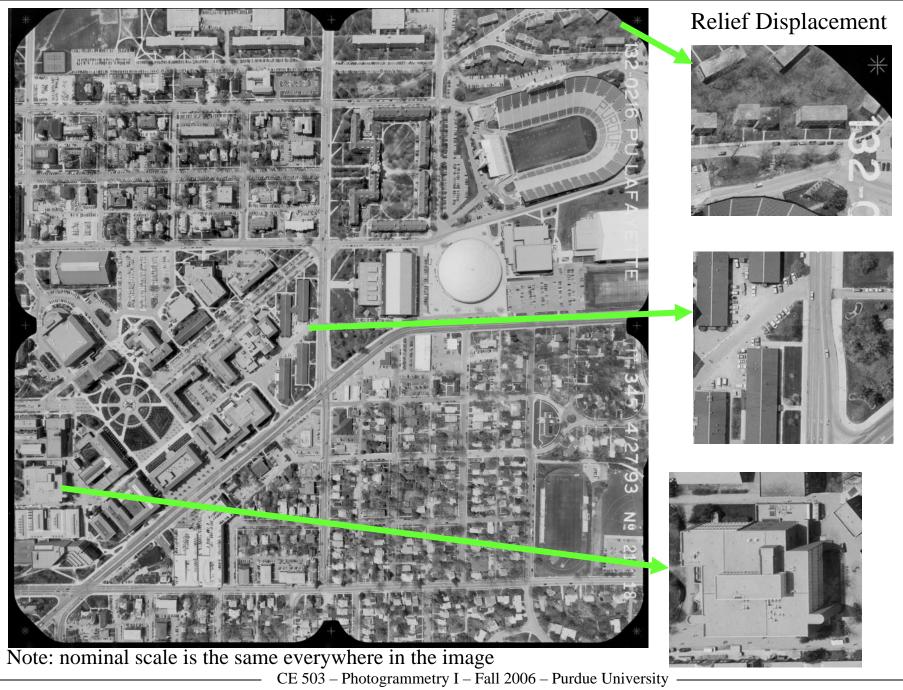
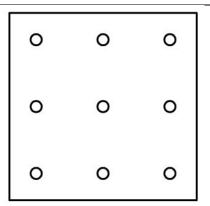


## Same Geometry – Large Aperture

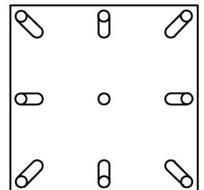




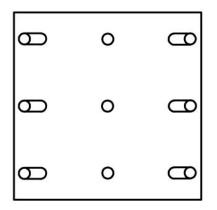


## Relief Displacement

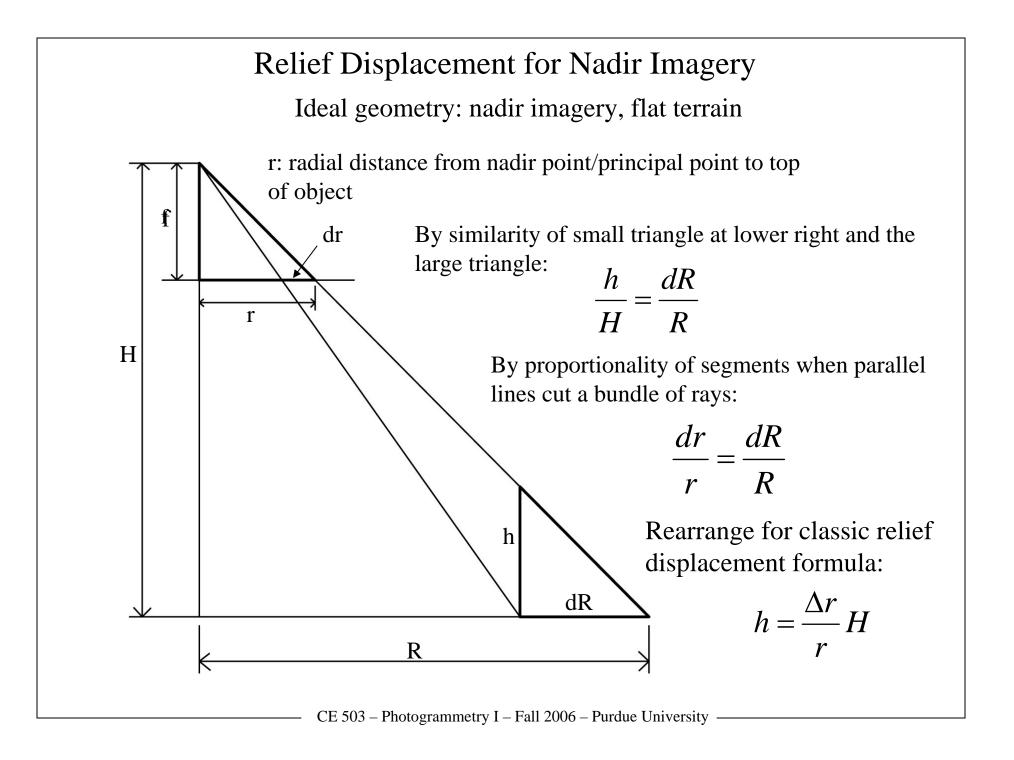
Layout of vertically extended objects within an image



Relief displacement as found in *frame* imagery, entire image captured at same instant, relief displacement is always *radial* with respect to the *nadir point* 



Relief displacement as found in *pushbroom* imagery, the image is built up *over time* by the platform motion, relief displacement only exists *within a line*. It is still radial with respect to the nadir point, but there is a different nadir point *for every line*. Therefore the only component of relief displacement is *cross-track*, there is no *along-track* component. (platform motion is up/down)



Relief displacement in QB (Satellite Camera) image. Narrow FOV, displacement same throughout the field of view, depends on tilt



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Relief displacement in images taken at different locations – yields parallax – which in turn yields perception of depth – more on this later.

