IMPLEMENTATION OF DCVF



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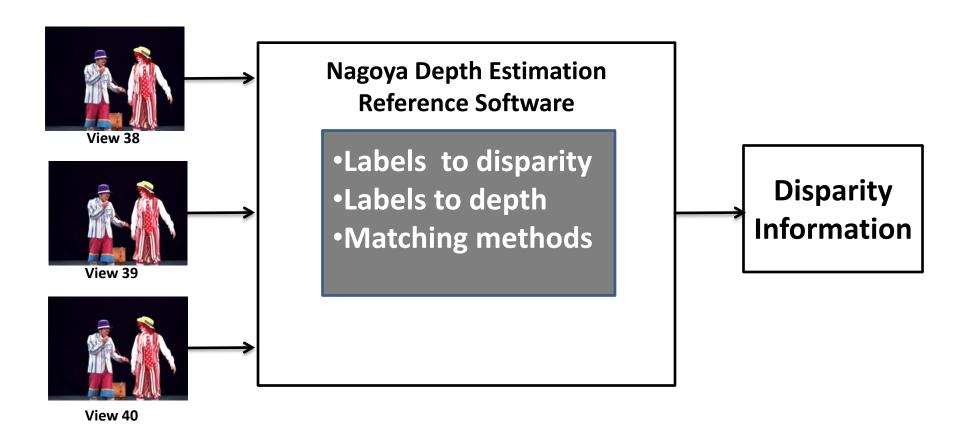
Implementation of DCVF

- Disparity Information
 - Using NDE reference software
 - Using a suitable model



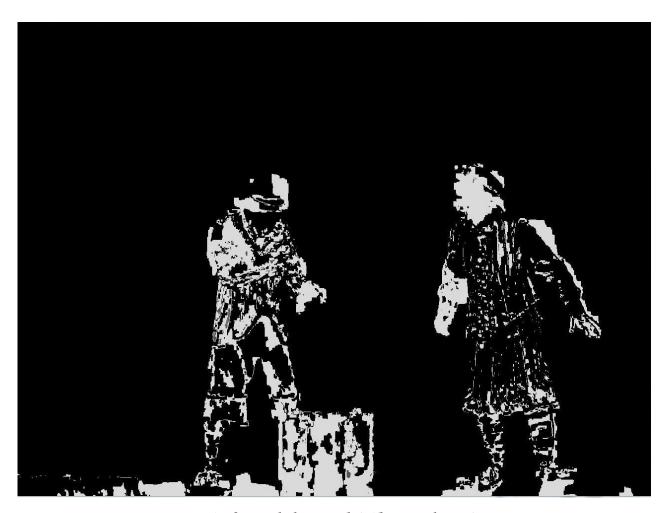
Disparity Information

Using NDE reference software





Labels To Disparity



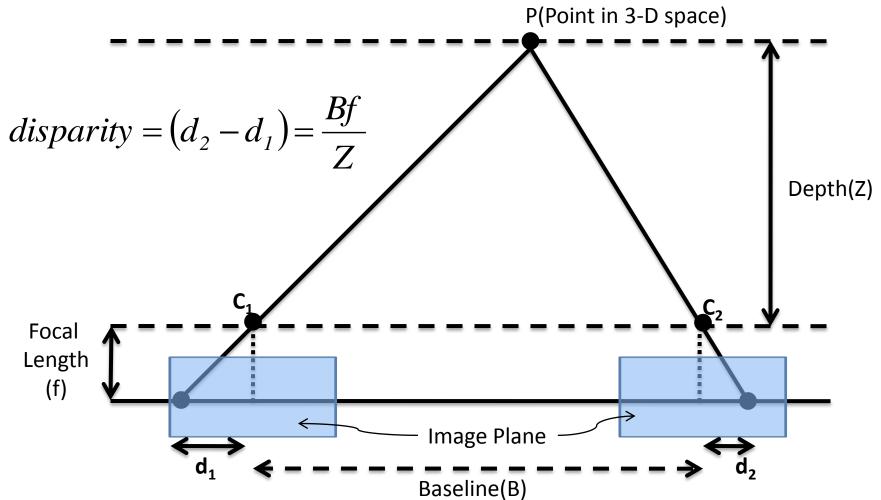
 $labels \ to \ disparity = \frac{(\ focal \ length)(baseline)}{(\ depth-depth \ offset)} - disparity \ offset$

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Disparity Information



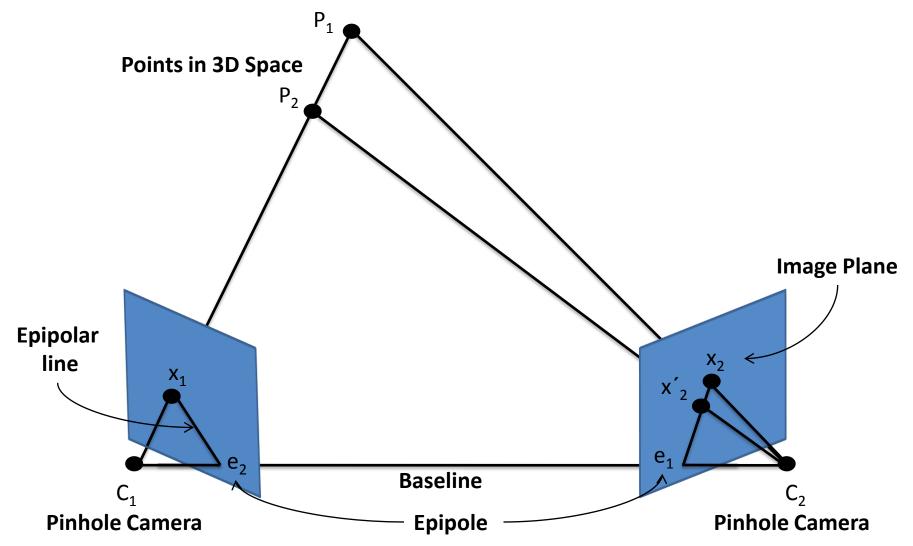


Disparity Information

- Using a suitable model
 - Epipolar geometry
 - Matching points lie along corresponding epipolar lines
 - Reduces correspondence problem to 1-D search along conjugate epipolar lines
 - Perspective projection
 - Sample object space at a grid diverging from a vanishing point



Epipolar Geometry





Epipolar Geometry

