





But what if the images are not aligned?









Slide Alyosha Efros

Just like texture mapping





































 $x' = x + t_x$ $y' = y + t_v$

• A: Using the rightmost column:

$$\mathbf{Translation} = \begin{bmatrix} 1 & 0 & t_x \\ 0 & 1 & t_y \\ 0 & 0 & 1 \end{bmatrix}$$

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Forward vs. inverse warping
Q: which is better?
A: usually inverse—eliminates holes

however, it requires an invertible warp function—not always possible...