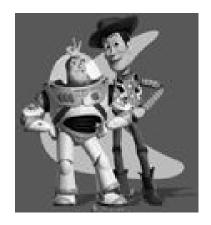
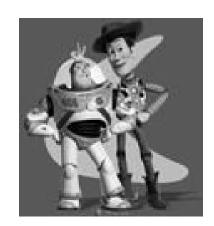
Gradient Domain-Fusion

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Toy Problem



Input Image



Rec Image

Error: 7.0422e-14

Description -

The principle for Poisson Blending is to minimize the gradient differences between the source image and the target image.

To do this we pose the gradient differences as a least squares problem and solve for the values which minimizes this difference.

Example - Wall Portal



Final Image



Background Images



Direct Pasting



Example - Companion Cube on the Floor



Final Image



Direct Pasting

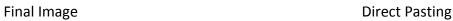


Background Images



Example - Wheatley Labs (shows artifacts)









Background Images



Description -

The Idea is the same as Poisson blending but by using a mix between the source and target gradients, we can get a more natural image for things which should be transparent or close to it.

Example - Wheatley Labs











Note -- Better result than Poisson Blending



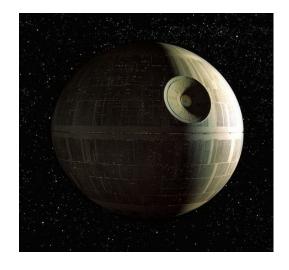
Example - Death Star

Final Image



Direct Pasting







Background Images

Example - Vancouver Bat Signal

Final Image



Direct Pasting







Background Images

Example - Vancouver Bat Signal

Final Image



Direct Pasting







Background Images

Color2Gray

