Surface ST vs Image ST



CG rendering Image based ST Surface based ST



Shape ST vs Image ST



CG rendering Image based ST Surface based ST



Shape ST vs Image ST correlation



Direction



Max eigen value



Scale selection





Warping pipeline





Sharpening: $\alpha = -1$





Rounding: $\alpha = 1$





Sharpening, small scale





Sharpening, large scale



(nría_

User study





nría





Conclusion

Perception issues in Visualization

Perception of Depth – Application to DVR evaluation

Perception of Noise – Application to Uncertainty Vis.

Perception of Shape – Application to Image manipulation

In this talk: low level visual perception issues

cognitive levels much more difficult

Take away message: perception matters!

