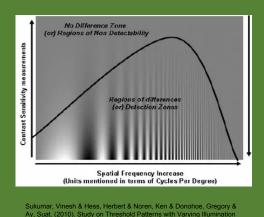
Achieving Perceptual Consistency of Contrast in Physical Images Viewed at Different Distances

TU Delft | CSE3000 Research Project | Author: Francisco Ayala | Supervisors: B. Usta, M. Weinmann, E. Eisemann

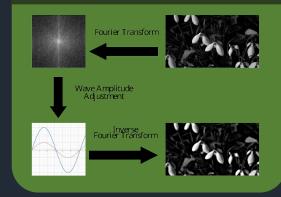
1. Background



Oliva, Aude & Torralba, Antonio & Schyns, Philippe. (2006). Hybrid images. ACM Trans. Graph.. 25. 527-532. 10.1145/1141911.1141919.



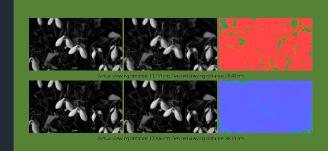
2. Method

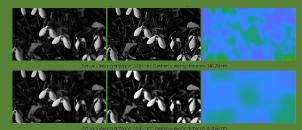


4. Conclusion

- + Can be used with a personalized CSF
- + Real time performance
- Does not take into account contrast constancy & masking
- Limitations when decreasing distance perception
- ★ Future work: Gabor wavelets

3. Results







Runtime Costs

FFT ~15 ms

Adjustment ~1 ms

Inverse FFT ~11 ms