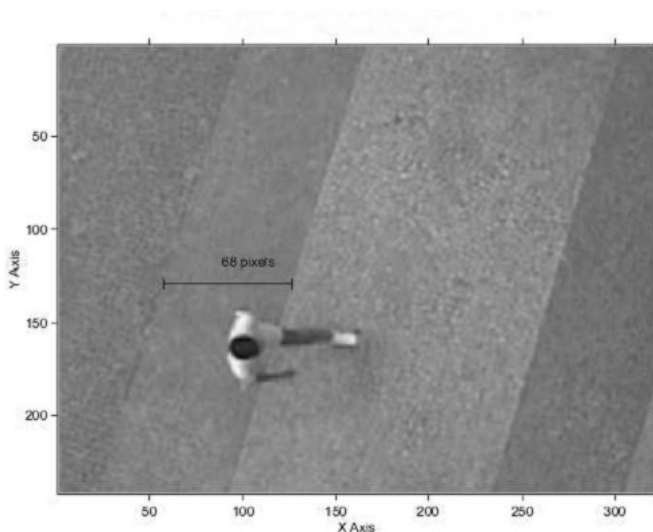
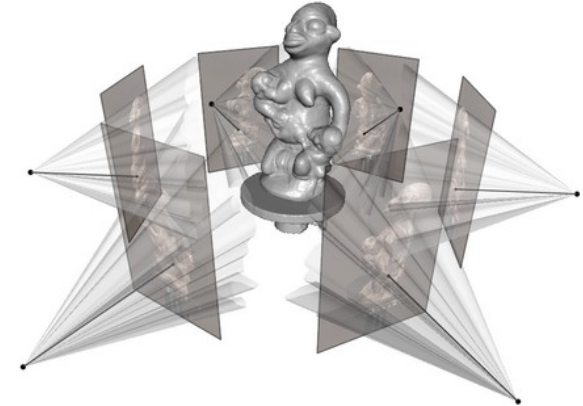
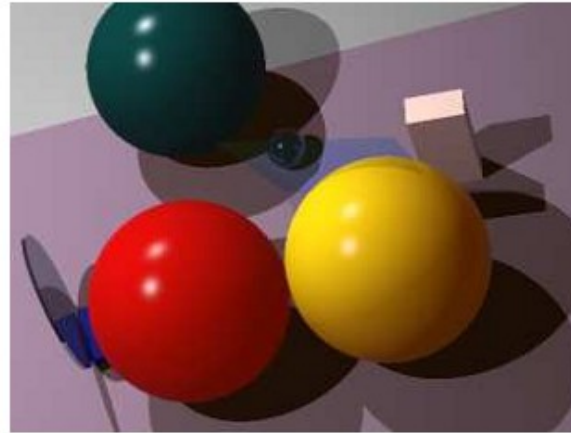


23 de Março

Temas para Trabalho Prático de Visão

Prof. Mário Campos - Orientador
Monitor: Erickson Nascimento

Problemas em Visão Computacional



Degradação de imagens em meios participativos

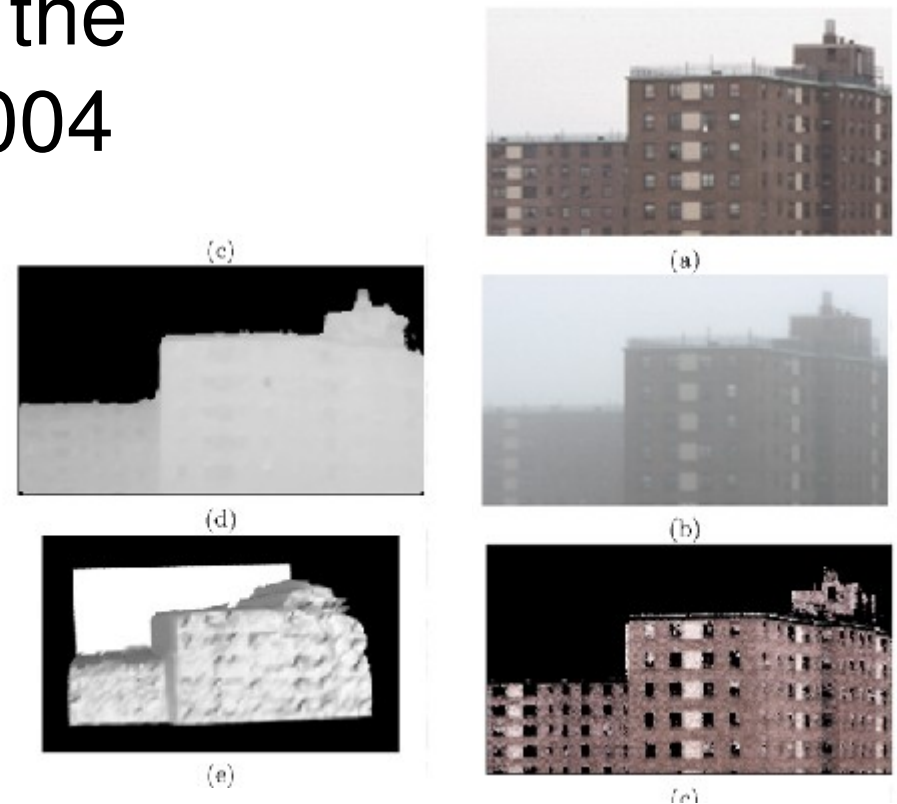


Degradação de imagens em meios participativos



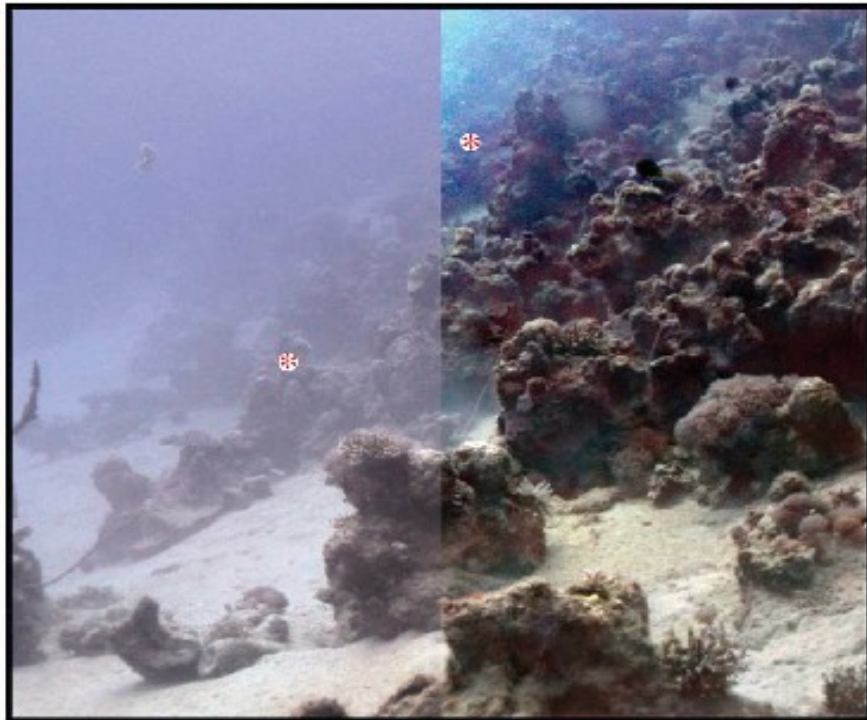
Visão e Atmosfera

- ❖ Srinivasa G. Narasimhan and Shree K. Nayar, “Vision and the Atmosphere”, IJCV 2004

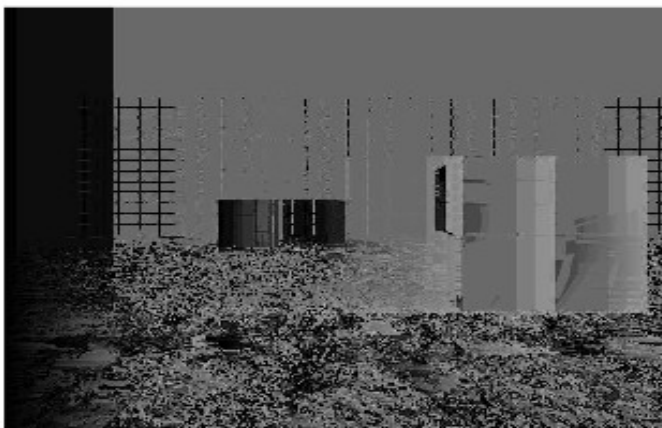


Visão Subaquática e Polarização

- ❖ Yoav Y. Schechner and Nir Karpel, “Clear underwater vision”, CVPR 2004



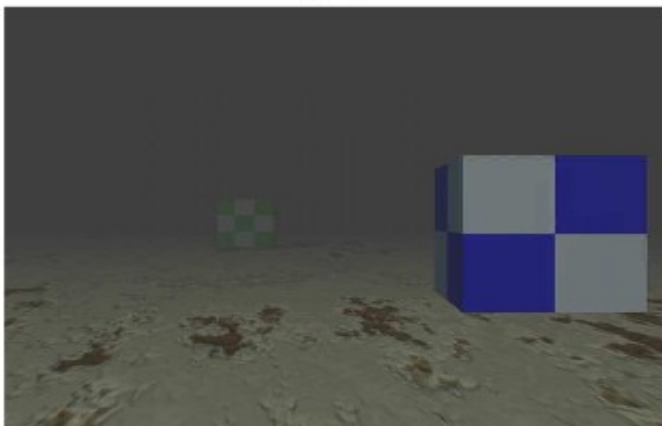
Visão Subaquática e Estéreo



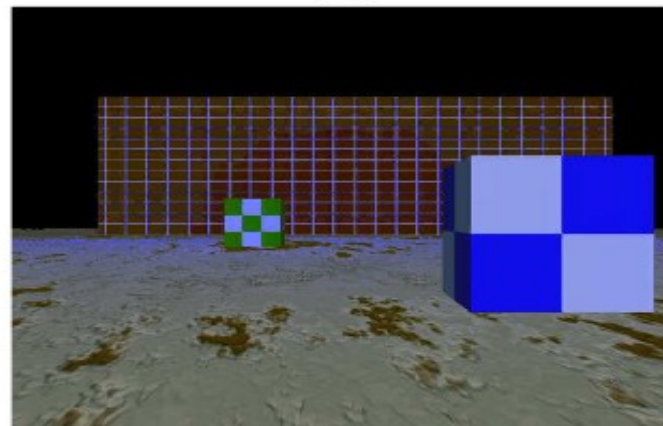
(a)



(b)



(c)



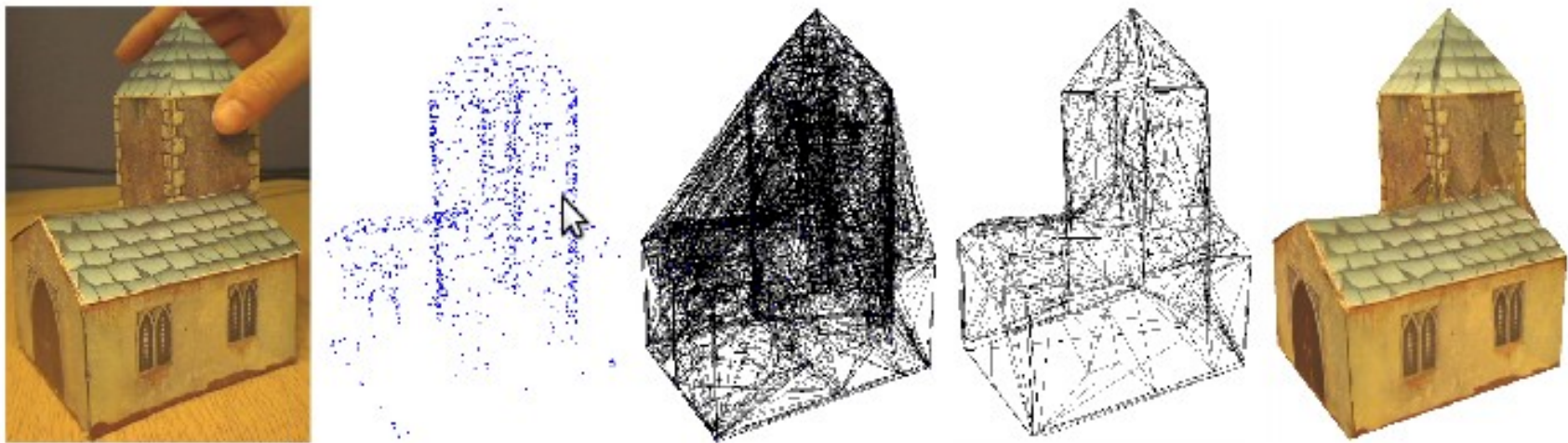
(d)

Degradação de imagens em meios participativos

- ❖ Srinivasa G. Narasimhan and Shree K. Nayar, “Vision and the Atmosphere”, IJCV 2004
- ❖ Yoav Y. Schechner and Nir Karpel, “Clear underwater vision”, CVPR 2004
- ❖ Erickson Nascimento, Mario Fernando Campos, Wagner Barros, “Stereo Based Structure Recovery of Underwater Scenes from Automatically Restored Images”, SIBGRAPI 2009

Reconstrução

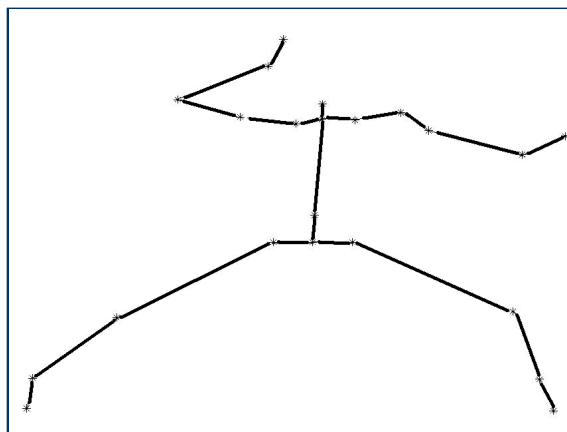
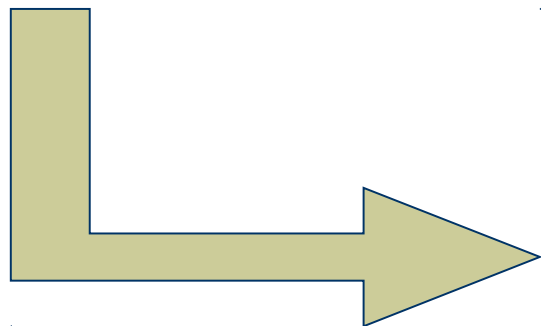
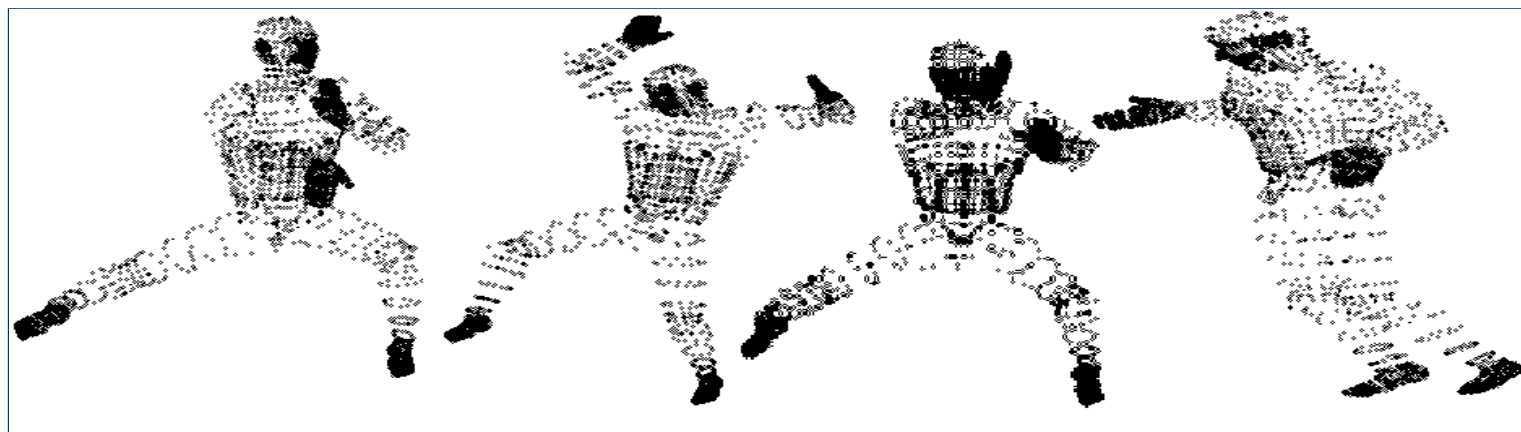
- ❖ Pan, Q. and Reitmayr, G. and Drummond, T., “ProFORMA: Probabilistic Feature-based On-line Rapid Model Acquisition”
 - http://mi.eng.cam.ac.uk/~qp202/my_papers/BMVC09/



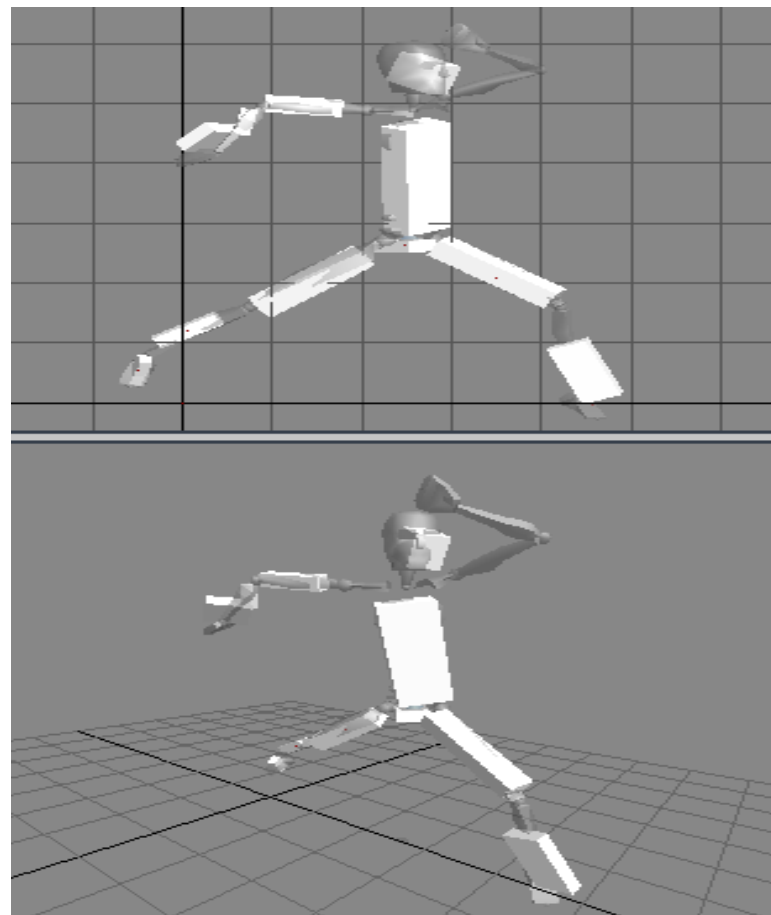
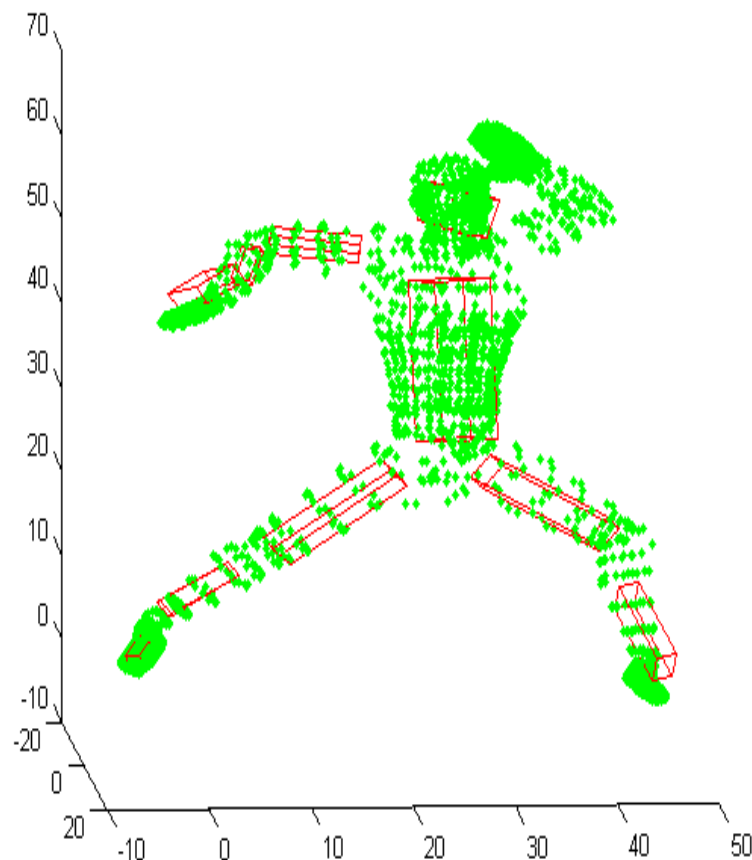
Estéreo

- ❖ Sven Forstamnn et. al, “Real-Time Stereo by using Dynamic Programming”, CVPRW
- ❖ vision.middlebury.edu/stereo

Estimação de Estruturas Articuladas



Estimação de Estruturas Articuladas



Rastreamento

- ❖ www.robots.ox.ac.uk/~misard/condensation.html
 - Vídeos
- ❖ Estrutura 3D a partir de imagens 2D
 - Vídeos

Busca de Logos

- ❖ T. Chattopadhyay and Aniruddha Sinha, “Recognition of Trademarks from Sports Videos for Channel Hyperlinking in consumer end”

