Thesis

Ai? Maybe a certain technology shows great promise to future advancements

Image processing? -> motion analysis.

motion segmentation?

Object classification: Groups pixels together to shape and detect objects.

Motion segmentation: Segmenting out different parts of the image: Motion segmentation aims to decompose moving objects (video).

Video algorithms: Video surveillance? Video Conferencing?

Background subtraction

Statistical methods

Optical flow

Temporal differencing

PLS vs mil in low light video

Object tracking has received massive attention by researchers with its multiple algorithms. Tracking objects in inadequate scenarios has been a huge issue for researchers. An effective way to track objects in inadequate scenarios is to use the partial least squares algorithm when compared to other algorithms such as the multiple instance learning algorithm.

The partial least squares algorithm(PLS), when compared to other algorithms such as the multiple instance learning algorithm(MIL) does a much better job at tracking objects in difficult visual scenarios, while improving the effectiveness of security and surveillance cameras, human-phone interaction, medical imaging, and traffic control.

Human Motion analysis has received massive attention by researchers due to its promising areas of interest such as video surveillance, video conferencing, medicine, and sports.