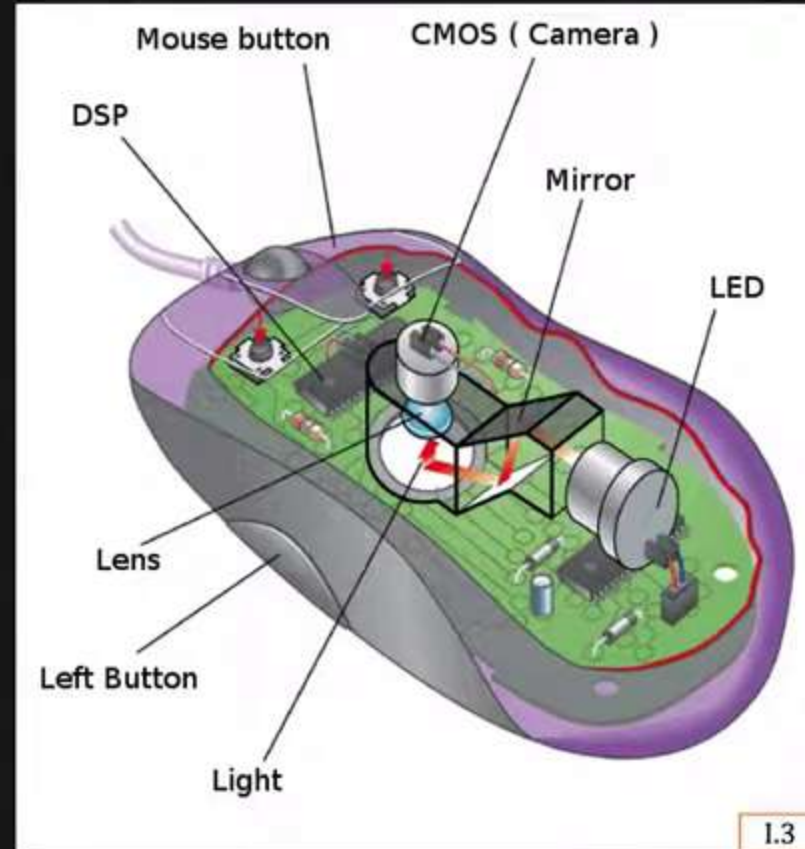


Applications of Optical Flow

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Topic: Motion and Optical Flow, Module: Reconstruction II
First Principles of Computer Vision

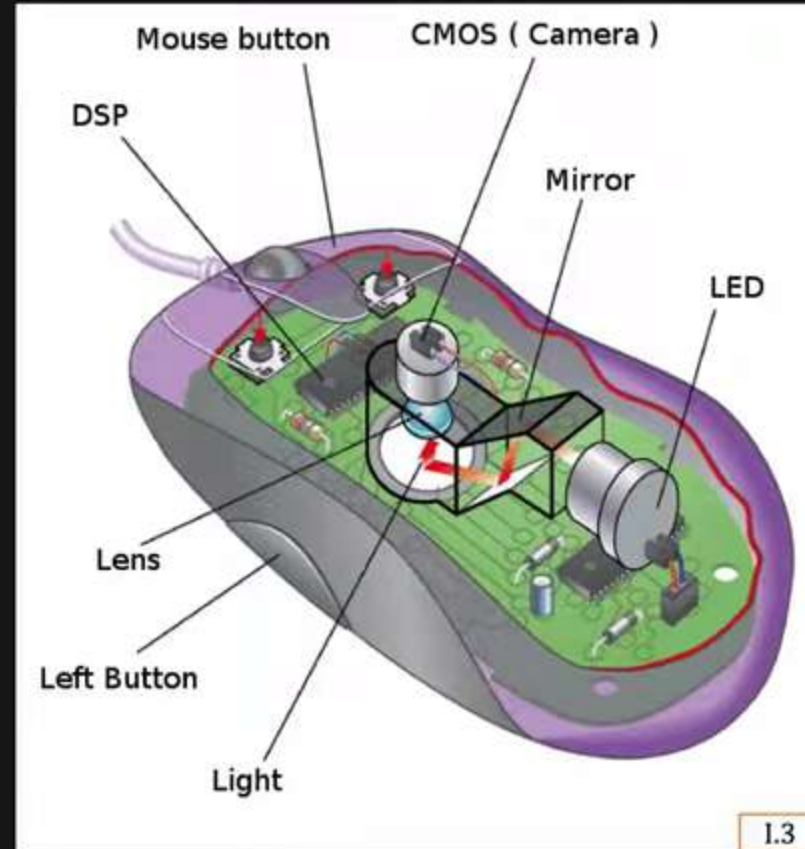
Optical Mouse



Estimating Mouse Movements



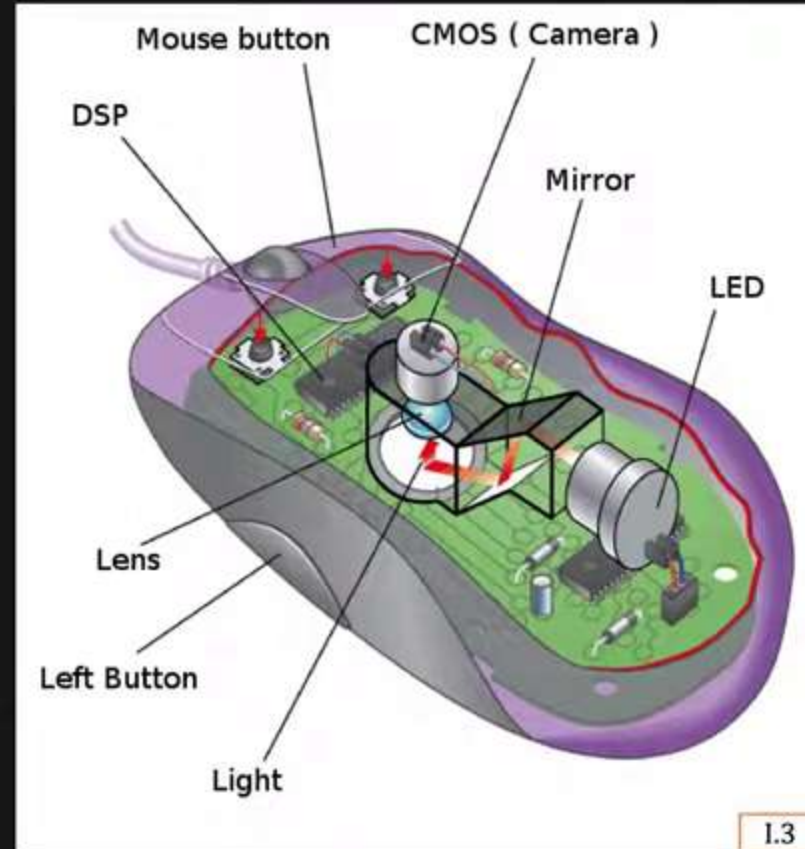
Optical Mouse



Estimating Mouse Movements



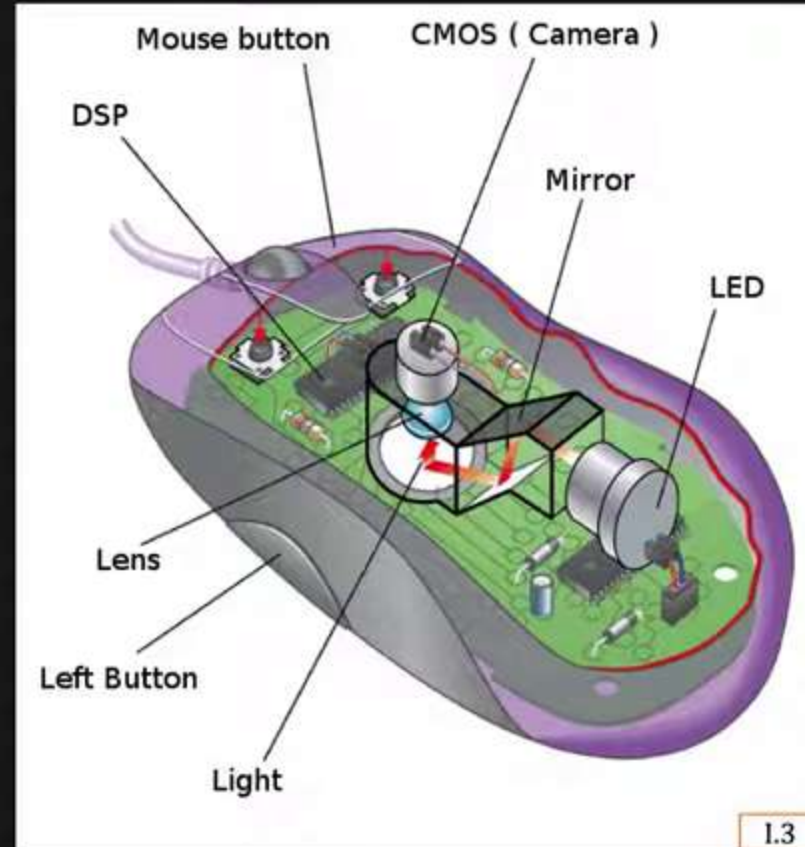
Optical Mouse



Estimating Mouse Movements



Optical Mouse



Estimating Mouse Movements



Traffic Monitoring



Finding Velocities of Vehicles



Traffic Monitoring



Finding Velocities of Vehicles



Traffic Monitoring



Finding Velocities of Vehicles



Traffic Monitoring



Finding Velocities of Vehicles



Traffic Monitoring



Finding Velocities of Vehicles



Video Retiming



Optical Flow is used to determine the intermediate frames to produce slow-motion effect.



Video Retiming



Optical Flow is used to determine the intermediate frames to produce slow-motion effect.



Video Retiming



Optical Flow is used to determine the intermediate frames to produce slow-motion effect.



Video Retiming



Optical Flow is used to determine the intermediate frames to produce slow-motion effect.



Image Stabilization



Captured Video

Optical Flow is used to remove camera shake.



Image Stabilization



Captured Video

Optical Flow is used to remove camera shake.



Image Stabilization



Captured Video

Optical Flow is used to remove camera shake.



Image Stabilization



Captured Video

Optical Flow is used to remove camera shake.



Image Stabilization



Captured Video



Stabilized Video

Optical Flow is used to remove camera shake.



Face Tracking



Tracking of Facial Features



Face Tracking



Tracking of Facial Features



Games



Flow Based Player Interaction



Games



Flow Based Player Interaction



Games



Flow Based Player Interaction



References and Credits

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