Optical Flow

Shree K. Nayar

Columbia University

Topic: Motion and Optical Flow, Module: Reconstruction II

First Principles of Computer Vision

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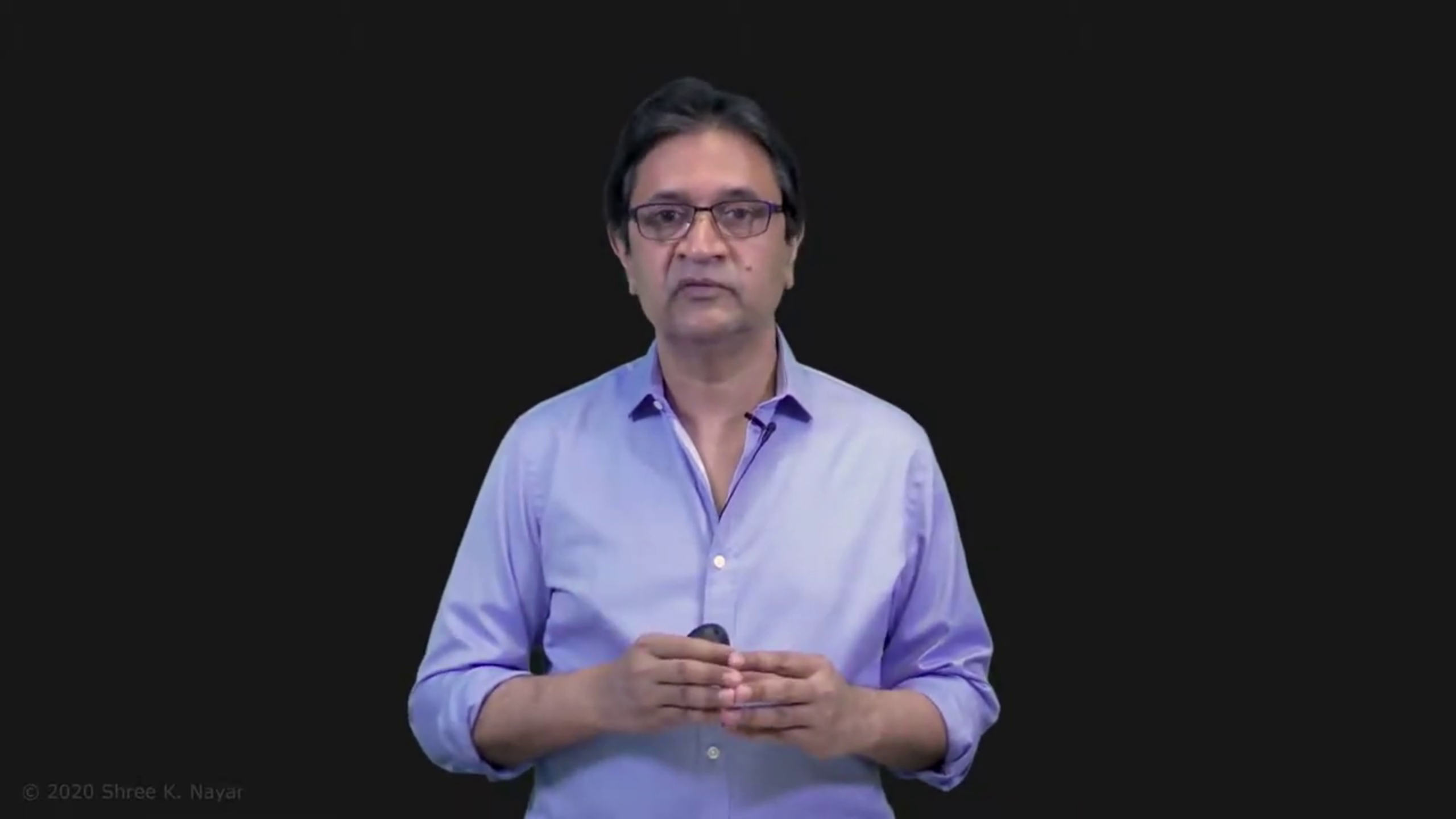
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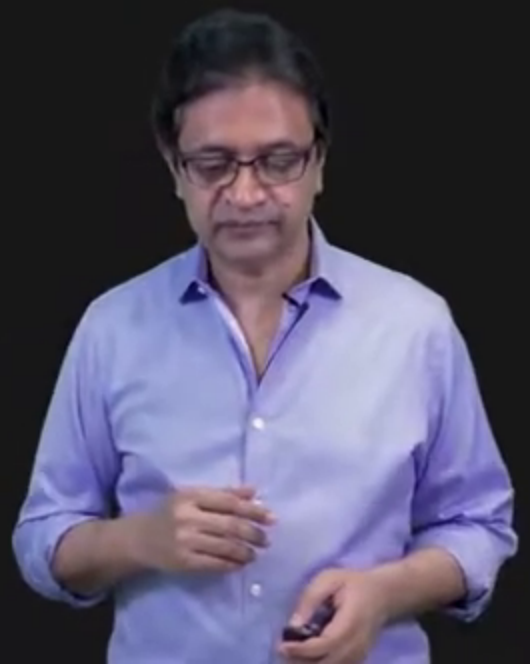
Optical Flow

Method to estimate apparent motion of scene points from a sequence of images.



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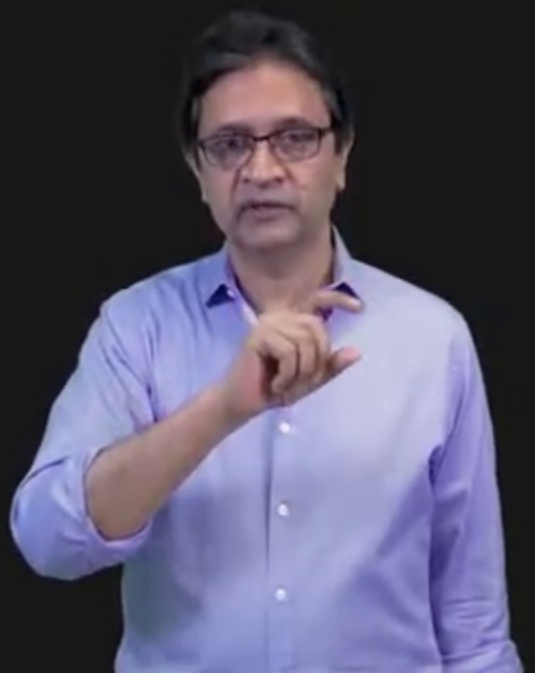
Method to estimate apparent motion of scene points from a sequence of images.

Topics:

(1) Motion Field and Optical Flow



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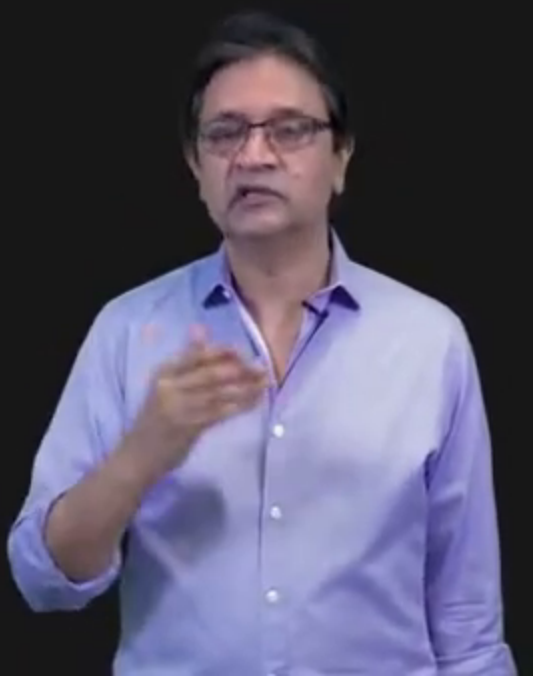

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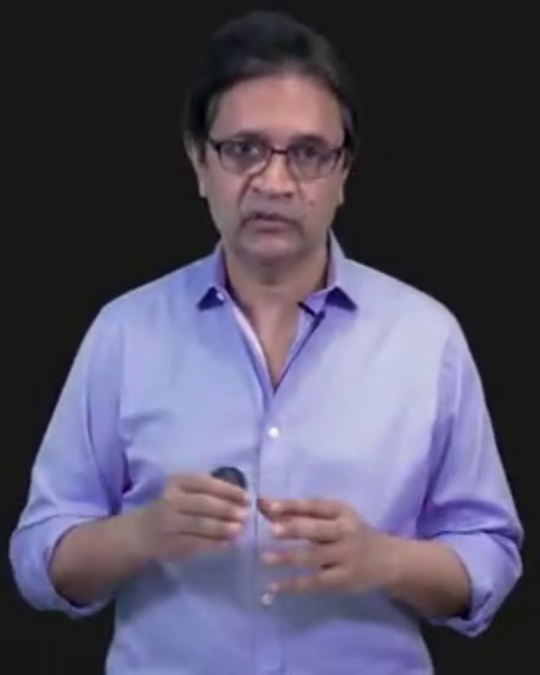
Method to estimate apparent motion of scene points from a sequence of images.

Topics:

(1) Motion Field and Optical Flow

(2) Optical Flow Constraint Equation



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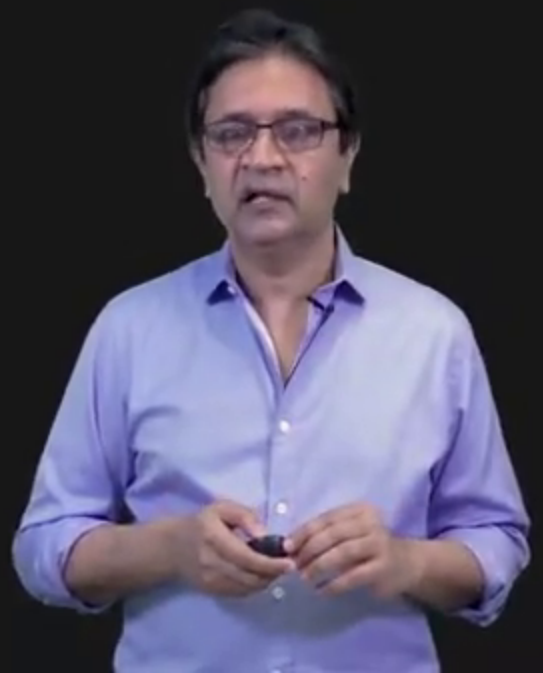

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Method to estimate apparent motion of scene points from a sequence of images.

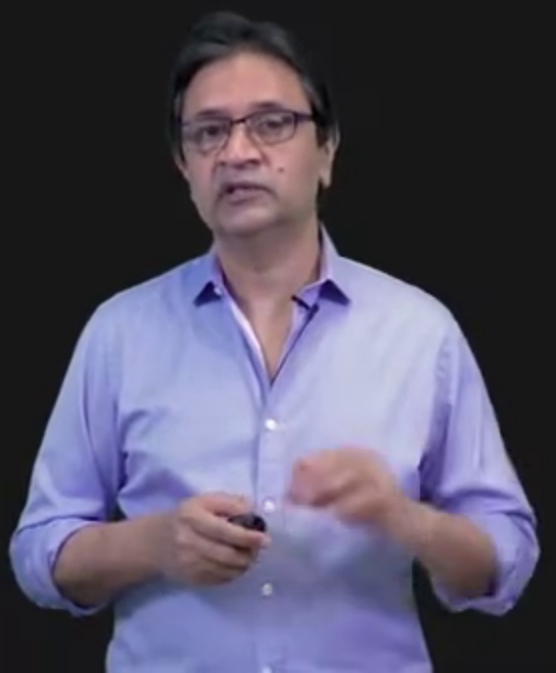
Topics:

(1) Motion Field and Optical Flow

(2) Optical Flow Constraint Equation

(3) Lucas-Kanade Method

(4) Coarse-to-Fine Flow Estimation



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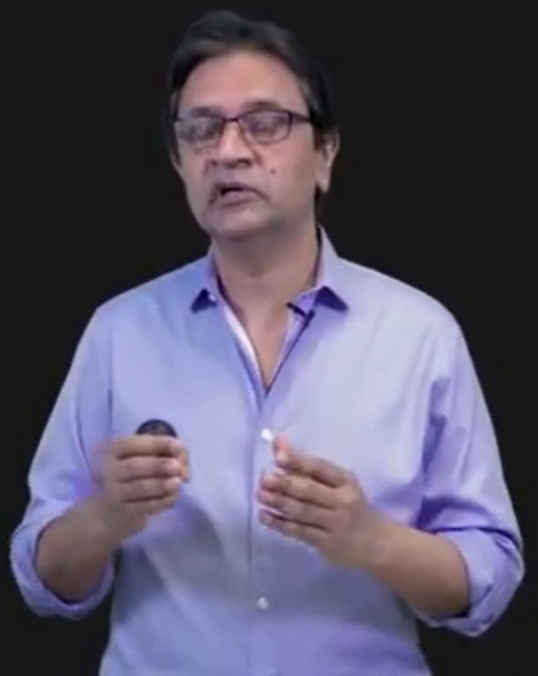

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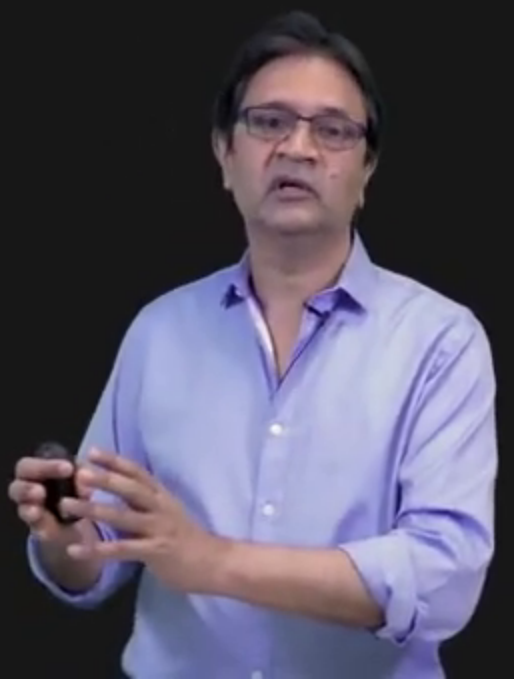

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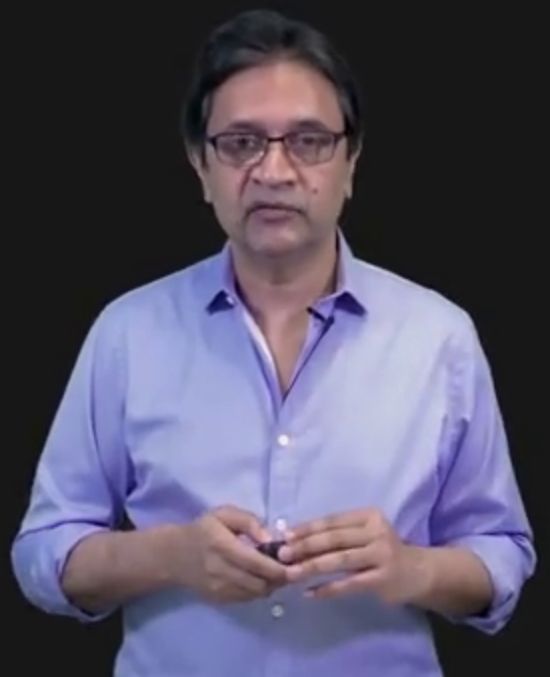

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