SYSTEMS DESIGN ENGINEERING

Structure From Motion

SYDE 770 - *Topic 16(reading course)*   **Spring**

Building a 3D model from a sequence of images is of fundamental importance for a variety of applications. A number of approaches have been proposed in the last three decades of research which utilize stereoscopy; these make the assumption that the scene is stationary between capture of two images of a scene. As most cameras available today are monocular, and as most scenes of interest contain elements that change over time, considering the case when the stereoscopic constraint does not apply, i.e. when the 3D points move between the capture of two images, has wide application.
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