



THE WEIZMANN INSTITUTE OF SCIENCE
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE

Vision and Robotics Seminar

Room 1 ,Ziskind Building
on Thursday, Jan 29, 2015
at 12:15

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New ways to look at the sky

Abstract:

We present a general review of astronomical observation, with emphasis on the ways it differs from conventional imaging or photography. We then describe emerging trends in this area driven mainly by advances in detector technology and computing power. Having set a broad context, we then describe the new multiplexed imaging technique we have developed. This method uses the sparseness of typical astronomical data in order to image large areas of target sky using a physically small detector.