

# ECE 516 / CS 532 Computer Vision

Class 14  
March 26, 2008

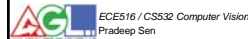
Pradeep Sen  
Advanced Graphics Lab



## Announcements

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- HW3 is on the website due in 2 weeks
- No class next Wednesday – I need to fly to DC



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## Today

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- Camera models
- Calibration



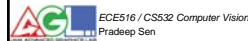
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## Extrinsic camera parameters

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- The camera reference frame is different from the world frame



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## Camera parameters

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- If there is no skew in the sensor, there are 4 intrinsic camera parameters ( $\alpha$ ,  $\beta$ ,  $u_0$ ,  $v_0$ )
- There are 6 extrinsic camera parameters: 3 for rotation, and 3 for translation

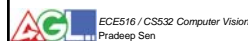


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## Properties of projection matrices

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## Reading

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- Forsyth, Ch 2 and 3