Midterm

❖ Closed book

❖ Calculators (not computers) allowed (required)

❖ Covers only

⦿ Chapter 2 (Image Formation)

⦿ Chapter 3.1 - 3.4 (Image Processing)

❖ 13 questions (one is bonus for 4422)

❖ Mix of quantitative and qualitative questions

❖ Q1 somewhat involved - may want to leave to end

Material **not** on Midterm

❖ Chapter 2. Image Formation

  ◉ 2D conics (p. 33)

  ◉ Plucker coordinates (p. 35)

  ◉ 3D quadrics (p. 35)

  ◉ Planar surface flow (p. 38)

  ◉ Bilinear interpolation (p. 39)

  ◉ Para-perspective (p. 48)

  ◉ Plane plus parallax (p. 55)

  ◉ Mapping from one camera to another (p. 56)

  ◉ Object-centred projection (p. 57)

  ◉ Di-chromatic reflection model (p. 67)

  ◉ Vignetting (p. 72)

Material **not** on Midterm

❖ Chapter 3.1 - 3.4 Image Processing

◉ Compositing and matting (p. 105 - 107)

◉ Locally adaptive histogram equalization (p. 109 - 111)

◉ Connected components (p. 131 - 132)

◉ Discrete cosine transform (p. 142 - 144)

Study Algorithm

❖ Do practice problems

❖ Review two assignments

❖ Review lectures

❖ Read textbook