

PART

Intermediate-level vision

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In Part 2 we study intermediate-level image analysis, which is concerned with obtaining abstract information about images, starting with the images themselves: at this stage we are less interested in converting one image into another, as in the subject of image processing. In particular, transform methods will be used, which have been designed systematically for the purpose.

For the most part, the chapters in Part 2 result in abstract information on the positions and orientations of various image features: they do not aim to provide real-world data, a function that is left to Parts 3–5. Thus Part 2 may indicate that a circle exists in one part of an image: it is left to later parts to interpret this as a wheel and to find any defects it may have.