

PyImageSearch Gurus Course

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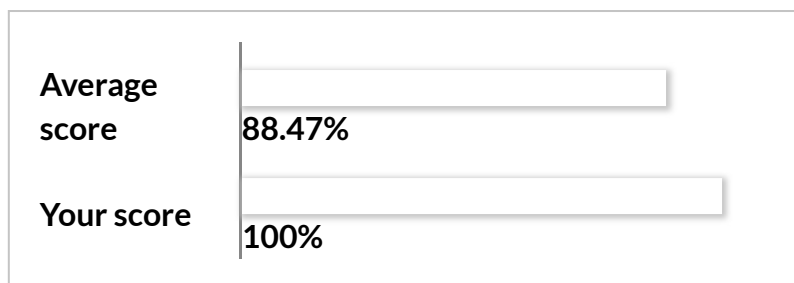
Connected-component Labeling Quiz

Results

4 of 4 questions answered correctly

Your time: 00:01:50

You have reached 4 of 4 points, (100%)



[Click Here to Continue \(https://gurus.pyimagesearch.com/lessons/connected-component-labeling/?quiz_type=lesson&quiz_redirect=1&lesson_id=2836&quiz_id=3530\)](https://gurus.pyimagesearch.com/lessons/connected-component-labeling/?quiz_type=lesson&quiz_redirect=1&lesson_id=2836&quiz_id=3530)

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1. Question

Connected-component labeling and contour extraction are the same thing.

- ☐ True
- ☒ False

Correct

2. Question

The following are all types of connectivity *except*:

- ☐ 4-connectivity
- ☐ 8-connectivity
- ☒ 9-connectivity

Correct

3. Question

The goal of the *first pass* of the connected-component labeling algorithm is to:

- ☐ Take the set of labels associated with each pixel and determine the actual connected components.
- ☐ Analyze the connected-components for shape, size, and other properties used to quantify the component.
- ☒ **Perform an initial labeling of all pixels in the image by examining neighboring pixels and their associated labels.**
- ☐ Extract the connected-components from the image.

Correct

4. Question

The goal of the *second pass* of the connected-component labeling algorithm is to:

- ☐ Perform an initial labeling of all pixels in the image by examining neighboring pixels and their associated labels.
- ☒ **Take the set of labels associated with each pixel and determine the actual connected components.**
- ☐ Extract the connected-components from the image.
- ☐ Analyze the connected-components for shape, size, and other properties used to quantify the component.

Correct

Course Progress

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