

**INSTRUCTOR
SOLUTIONS MANUAL**

P H Y S I C S

FOR SCIENTISTS AND ENGINEERS

A STRATEGIC APPROACH

RANDALL D. KNIGHT

**CHAPTERS
20-42**

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web connected graph components collapse all in page syntax `bins = conncomp(g, bins)`. `conncomp(g, name, value, bins, binsizes)` description example `bins = conncomp(g)` returns the connected components of graph `g` as `bins`, the bin numbers indicate which component each node in the graph belongs to.

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web find the connected components in the array `cc = bwconncomp(bw)`. `cc` struct with fields `connectivity` 26 `imagesize` 3 3 3 `numobjects` 2 `pixelidxlist` 5x1 double 3x1 double calculate centroids of the objects in the array `s = regionprops(cc)`. `centroid` s 2 1 struct array with fields `centroid`.

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