

Gray level co-occurrence matrix

REQUIREMENTS:

Application Software: LabVIEW Base Development System

This example shows how to find gray level co-occurrence matrix from pixel value input array.

There are 3 vis inside this example:1. `glcm_main.vi` will find the maximum pixel value to initialize gray level co-occurrence matrix array (`glcm`). Then, it'll extract each pixel value inside array, together with right and below pixel value. The extracted values are used for determining which row and column inside `glcm` needs an increment.2. `cell_value.vi` extracts pixel value on right and below of current cell. If an index is invalid, it'll output -1.3. `update_array.vi` increments value in `glcm` according to its input row and column. If row or column is equal to -1 which means invalid index, it'll just pass input array to output array.