- --Número de pixels de la region (region.area).
- --Cuadro delimitador (min_row, min_col, max_row, max_col). Los píxeles que pertenecen al cuadro delimitador están en el intervalo medio abierto [min_row; max_row) y [min_col; max_col).(region.bbox).
- --Número de pixels del cuadro delimitador(region.bbox_area).
- -- Tupla de coordenadas del centroide (region.centroid).
- --Número de píxeles de la imagen convexa del casco (region.convex area).
- --Imagen binaria convexa del casco que tiene el mismo tamaño que el cuadro delimitador(region.co nvex image).
- --Lista de coordenadas (fila, col) de la región (region.coords).
- --Excentricidad de la elipse que tiene los mismos segundos segundos que la región. La excentrici dad es la relación de la distancia focal (distancia entre los puntos focales) sobre la longitud del eje principal. El valor está en el intervalo [0, 1). Cuando es 0, la elipse se convierte en un círculo (region.eccentricity).
- --El diámetro de un círculo con la misma área que la región (equivalent diameter).
- --Proporción de píxeles en la región a píxeles en el cuadro delimitador total. Calculado como ár ea / (rows * cols) (region.extent).
- --Número de píxeles de la región llena (region.filled area).
- --Imagen de región binaria con agujeros llenos que tiene el mismo tamaño que el cuadro delimitad or.(region.filled image).
- --Imagen de región binaria en rodajas que tiene el mismo tamaño que el cuadro delimitador.(region.).image
- --Tensor de inercia de la región para la rotación alrededor de su masa (region.inertia tensor).
- --Los dos valores propios del tensor de inercia en orden decreciente(**region.inertia_tensor_eigva** ls).
- --Imagen dentro del cuadro delimitador de la región (region.intensity_image).
- --La etiqueta en la imagen de entrada etiquetada (region.label).
- --Tupla de coordenadas del centroide (fila, col), relativa al cuadro delimitador de la región(re gion.local_centroid).
- --La longitud del eje principal de la elipse que tiene los mismos segundos momentos centrales no rmalizados que la región.(region.major_axis_length).
- --Valor con la mayor intensidad en la región. (region.max_intensity).
- --Valor con la intensidad media en la región. (region.mean intensity).
- --Valor con la menor intensidad en la región. (region.min intensity).
- --Momentos espaciales hasta el 3er orden: m_j i = sum {array (x, y) * x ^ j * y ^ i}donde la suma está sobre las coordenadas x, y de la región.(region.moments).
- --Hu momentos (traducción, escala y rotación invariante).(region.moments_central).
- --Momentos normalizados (traducción e invariante de escala) hasta el 3er orden:nu_ji = mu_ji / m 00 ^ [(i + j) / 2 + 1]donde m 00 es el momento espacial zeroth.(region.moments normalized).
- --Ángulo entre el eje X y el eje mayor de la elipse que tiene los mismos segundos segundos que l a región. Que van desde -pi / 2 a pi / 2 en sentido contrario a las agujas del reloj.(region.ori entation).
- --Perímetro del objeto que aproxima el contorno como una línea a través de los centros de los píxeles del borde utilizando una conectividad de 4. (region.perimeter).
- --Proporción de píxeles en la región a píxeles de la imagen del casco convexo(region.solidity).

| region.area | 184165 |
|---|--|
| region.bbox | (93, 0, 789, 982) |
| region.bbox area | 811232 |
| region.centroid | (511.10079005239868, 591.86804224472621) |
| region.convex area | 357916 |
| region.convex image | [[False False False, False False False] |
| region; convex_image | [False False False, False False False] |
| | [False False False, False False False] |
| | , |
| | [False False False False False] |
| | [False False False False False] |
| | [False False False False False]] |
| | |
| region.coords | [[93 888] [94 885][94 886], |
| | [788 462][788 463] [788 464]] |
| region.eccentricity | 0.9293278688344819 |
| equivalent_diameter | 484.23771100168483 |
| euler_number | -4 |
| extent | 0.269455076433 |
| filled area | 184258 |
| filled image | [[False False False False False] |
| | [False False False False False] |
| | [False False False False False] |
| | •••• |
| | [False False False False False] |
| | [False False False False False] |
| | [False False False False False False] |
| | image: [[False False False, False False False] [False False False False False False] |
| | [False False False, False False False] |
| | ··· |
| | [False False False, False False False] |
| | [False False False False False] |
| | [False False False False False]] |
| | |
| | |
| Inches a banana | [[44221 |
| inertia_tensor | [[44221.50894667 |
| inertia_tensor | [28156.39756523 31685.81136011]] |
| _ | [28156.39756523 |
| inertia_tensor_eigvals | [28156.39756523 |
| inertia_tensor_eigvals label | [28156.39756523 |
| inertia_tensor_eigvals label major_axis_length | [28156.39756523 |
| inertia_tensor_eigvals label major_axis_length minor_axis_length | [28156.39756523 |
| inertia_tensor_eigvals label major_axis_length | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+ |
| inertia_tensor_eigvals label major_axis_length minor_axis_length | [28156.39756523 |
| inertia_tensor_eigvals label major_axis_length minor_axis_length | [28156.39756523 |
| inertia_tensor_eigvals label major_axis_length minor_axis_length | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+13] |
| inertia_tensor_eigvals label major_axis_length minor_axis_length | [28156.39756523 |
| inertia_tensor_eigvals label major_axis_length minor_axis_length | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+13] |
| inertia_tensor_eigvals label major_axis_length minor_axis_length | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+13] [1.09001378e+08 4.03881393e+10 1.85544062e+13 9.49428195e+15] [7.26584864e+10 2.41706617e+13 1.03188899e+16 5.02050129e+18] |
| inertia_tensor_eigvals label major_axis_length minor_axis_length | [28156.39756523 |
| inertia_tensor_eigvals label major_axis_length minor_axis_length | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+ 13] |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+ 13] |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+ 13] |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+13] [1.09001378e+08 4.03881393e+10 1.85544062e+13 9.49428195e+15] [7.26584864e+10 2.41706617e+13 1.03188899e+16 5.02050129e+18] [5.15454974e+13 1.55633412e+16 6.19219741e+18 2.86282407e+21]] [[1.84165000e+05 6.78790607e-05 5.83541745e+09 -4.35447389e+11] [-6.71195057e-05 -5.18542296e+09 3.82325602e+11 -3.06919597e+14] |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+ 13] |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments | [28156.39756523 |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+ 13] |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments | [28156.39756523 |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+ 13] |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments moments | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+ 13] [1.09001378e+08 4.03881393e+10 1.85544062e+13 9.49428195e+ 15] [7.26584864e+10 2.41706617e+13 1.03188899e+16 5.02050129e+ 18] [5.15454974e+13 1.55633412e+16 6.19219741e+18 2.86282407e+ 21]] [[1.84165000e+05 6.78790607e-05 5.83541745e+09 -4.35447389e+ 11] [-6.71195057e-05 -5.18542296e+09 3.82325602e+11 -3.06919597e+ 14] [8.14405420e+09 -6.97365729e+10 3.11884034e+14 -4.13850769e+ 16] [-1.09914956e+12 -4.14565411e+14 2.32166818e+16 -2.32754455e+ 19]] |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments moments | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+ 13] |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments moments moments_central | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+ 13] [1.09001378e+08 4.03881393e+10 1.85544062e+13 9.49428195e+ 15] [7.26584864e+10 2.41706617e+13 1.03188899e+16 5.02050129e+ 18] [5.15454974e+13 1.55633412e+16 6.19219741e+18 2.86282407e+ 21]] [[1.84165000e+05 6.78790607e-05 5.83541745e+09 -4.35447389e+ 11] [-6.71195057e-05 -5.18542296e+09 3.82325602e+11 -3.06919597e+ 14] [8.14405420e+09 -6.97365729e+10 3.11884034e+14 -4.13850769e+ 16] [-1.09914956e+12 -4.14565411e+14 2.32166818e+16 -2.32754455e+ 19]] [4.12170175e-01 9.81307136e-02 2.40556280e-02 3.63009203e-0 3 -1.23084008e-05 -9.62242044e-04 -3.16104907e-05] [[nan |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments moments moments_central | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+ 13] [1.09001378e+08 4.03881393e+10 1.85544062e+13 9.49428195e+ 15] [7.26584864e+10 2.41706617e+13 1.03188899e+16 5.02050129e+ 18] [5.15454974e+13 1.55633412e+16 6.19219741e+18 2.86282407e+ 21]] [[1.84165000e+05 6.78790607e-05 5.83541745e+09 -4.35447389e+ 11] [-6.71195057e-05 -5.18542296e+09 3.82325602e+11 -3.06919597e+ 14] [8.14405420e+09 -6.97365729e+10 3.11884034e+14 -4.13850769e+ 16] [-1.09914956e+12 -4.14565411e+14 2.32166818e+16 -2.32754455e+ 19]] [[4.12170175e-01 9.81307136e-02 2.40556280e-02 3.63009203e-0 3 -1.23084008e-05 -9.62242044e-04 -3.16104907e-05] [[nan |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments moments moments_central | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+ 13] [1.09001378e+08 4.03881393e+10 1.85544062e+13 9.49428195e+ 15] [7.26584864e+10 2.41706617e+13 1.03188899e+16 5.02050129e+ 18] [5.15454974e+13 1.55633412e+16 6.19219741e+18 2.86282407e+ 21]] [[1.84165000e+05 6.78790607e-05 5.83541745e+09 -4.35447389e+ 11] [-6.71195057e-05 -5.18542296e+09 3.82325602e+11 -3.06919597e+ 14] [8.14405420e+09 -6.97365729e+10 3.11884034e+14 -4.13850769e+ 16] [-1.09914956e+12 -4.14565411e+14 2.32166818e+16 -2.32754455e+ 19]] [4.12170175e-01 9.81307136e-02 2.40556280e-02 3.63009203e-0 3 -1.23084008e-05 -9.62242044e-04 -3.16104907e-05] [[nan |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments moments moments_central | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+ 13] [1.09001378e+08 4.03881393e+10 1.85544062e+13 9.49428195e+ 15] [7.26584864e+10 2.41706617e+13 1.03188899e+16 5.02050129e+ 18] [5.15454974e+13 1.55633412e+16 6.19219741e+18 2.86282407e+ 21]] [[1.84165000e+05 6.78790607e-05 5.83541745e+09 -4.35447389e+ 11] [-6.71195057e-05 -5.18542296e+09 3.82325602e+11 -3.06919597e+ 14] [8.14405420e+09 -6.97365729e+10 3.11884034e+14 -4.13850769e+ 16] [-1.09914956e+12 -4.14565411e+14 2.32166818e+16 -2.32754455e+ 19]] [[4.12170175e-01 9.81307136e-02 2.40556280e-02 3.63009203e-0 3 -1.23084008e-05 -9.62242044e-04 -3.16104907e-05] [[nan |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments moments moments_central moments_hu moments_normalized | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 3.80289826e+10 2.03440856e+13] |
| inertia_tensor_eigvals label major_axis_length minor_axis_length moments moments moments_central moments_hu moments_normalized orientation: | [28156.39756523 31685.81136011]]inertia_tensor_eigvals: (66799.260378493462, 9108.0599282854491) (66799.260378493462, 9108.0599282854491) 8 1033.8221152867138 381.7446251783608 [[1.84165000e+05 7.69995320e+07 |