|  |  |
| --- | --- |
| region.area | 76717 |
| region.bbox | (710, 250, 960, 897) |
| region.bbox\_area | 1997568 |
| region.centroid | (837.22377048111889, 570.64934760222638) |
| region.convex\_area | 126827 |
| 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 ..., False False False]  [False False False ..., False False False]] |
| region.coords | [[710 467][710 468][710 469]..., [959 674]  [959 675][959 676]] |
| region.eccentricity | 0.9338382909462352 |
| equivalent\_diameter | 312.5365869037535 |
| euler\_number | -11 |
| extent | 0.47429366306 |
| filled\_area | 78429 |
| 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 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 False False]] |
| inertia\_tensor | [[ 25959.03825879 379.66039275][ 379.66039275 3328.53859682]] |
| inertia\_tensor\_eigvals | (25965.405836615886, 3322.1710189957648) |
| label | 7 |
| major\_axis\_length | 644.5513892513569 |
| minor\_axis\_length | 230.55310950826978 |
| moments | [[ 7.67170000e+04 9.76022600e+06 1.49708825e+09 2.54218152e+11]  [ 2.45992560e+07 3.10048369e+09 4.69460271e+11 7.89767917e+13]  [ 9.87923493e+09 1.24223453e+12 1.87192069e+14 3.14020227e+16]  [ 4.47543343e+12 5.52112580e+14 8.19791695e+16 1.36122795e+19]] |
| moments\_central | [[ 7.67170000e+04 3.27917965e-06 2.55355496e+08 -1.22163771e+09]  [ -4.55515078e-07 -2.91264064e+07 -3.16895610e+09 8.57170501e+10]  [ 1.99149954e+09 4.03973795e+09 6.79035199e+12 3.20604878e+12]  [ 3.05171385e+10 -1.21709708e+13 -3.86937969e+13 -7.27146885e+16]] |
| moments\_hu | [ 3.81761237e-01 8.71151558e-02 6.69788072e-04 2.84436972e-04  1.24138665e-07 8.15678961e-05 1.69971041e-09] |
| moments\_normalized | [[nan nan 4.33872362e-02 -7.49399505e-04]  [ nan -4.94884306e-03 -1.94395942e-03 1.89842036e-04]  [ 3.38374001e-01 2.47813046e-03 1.50389478e-02 2.56359541e-05]  [ 1.87203852e-02 -2.69556858e-02 -3.09400284e-04 -2.09920911e-03]] |
| orientation: | 0.016770200408417892 |
| perimeter | 3169.15172928 |
| solidity | 0.604894856773 |
| region.area | 73337 |
| region.bbox | (344, 134, 672, 750) |
| region.bbox\_area | 1997568 |
| region.centroid | (498.48492575371233, 367.38006736026836) |
| region.convex\_area | 124310 |
| 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 ..., False False False]  [False False False ..., False False False]] |
| region.coords | [[344 321] [345 318] [345 319] ...,  [670 447] [670 448] [671 445]] |
| region.eccentricity | 0.8953950326759386 |
| equivalent\_diameter | 305.57416201675596 |
| euler\_number | 8 |
| extent | 0.362968205575 |
| filled\_area | 81189 |
| 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 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 False False]] |
| inertia\_tensor | [[ 20644.99231469 204.2195936 ]  [ 204.2195936 4096.25525431]] |
| inertia\_tensor\_eigvals | (20647.512101725271, 4093.7354672766305) |
| label | 4 |
| major\_axis\_length | 574.7696874641218 |
| minor\_axis\_length | 255.9292235685993 |
| moments | [[ 7.33370000e+04 1.13294610e+07 2.05063801e+09 4.13488143e+11]  [ 1.71153940e+07 2.62909352e+09 4.61012535e+11 8.96137785e+13]  [ 5.50843361e+09 8.48610622e+11 1.43936961e+14 2.66242414e+16]  [ 2.09506614e+12 3.23226026e+14 5.33376098e+16 9.41953583e+18]] |
| moments\_central | minor\_axis\_length : --moments:  --moments\_central : [[ 7.33370000e+04 2.72053518e-06 3.00407072e+08 3.87875400e+09]  [ 7.77615128e-08 -1.49768523e+07 -1.29381064e+10 1.82409293e+11]  [ 1.51404180e+09 4.63126333e+09 2.88083749e+12 6.84499343e+13]  [ 1.02813182e+11 -1.22544556e+12 -2.50988629e+14 -9.37214651e+15]] |
| moments\_hu | [ 3.37363780e-01 5.09504356e-02 9.50267207e-03 3.84183952e-03  2.26902944e-05 8.47500911e-04 -4.89846643e-06] |
| moments\_normalized | [[ nan nan 0.05585523 0.00266308]  [ nan -0.00278467 -0.00888307 0.00046246]  [ 0.28150855 0.00317974 0.00730381 0.00064083]  [ 0.07058964 -0.00310688 -0.00234976 -0.000324 ]] |
| orientation: | 0.012337989366236464 |
| perimeter | 2872.07856942 |
| solidity | 0.58995253801 |

--region.area: 83914

--region.bbox: (38, 481, 322, 1137)

--region.bbox\_area: 1997568

--region.centroid: (194.07425459398908, 759.78314703148465)

--region.convex\_area: 133202

--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 ..., False False False]

[False False False ..., False False False]]

--region.coords: [[ 38 751]

[ 38 752]

[ 38 753]

...,

[ 321 1022]

[ 321 1070]

[ 321 1085]]

--region.eccentricity: 0.9211078058847478

--equivalent\_diameter: 326.86789863323446

--euler\_number: -6

--extent : 0.450414376503

--filled\_area: 84057

--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 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 False False]]

--inertia\_tensor: [[ 28627.08104639 -6167.23085791]

[ -6167.23085791 6160.01134876]]

--inertia\_tensor\_eigvals: (30208.656093875532, 4578.4363012694484)

--label: 1

--major\_axis\_length: 695.22550118793

--minor\_axis\_length : 270.6565735767583

--moments: [[ 8.39140000e+04 1.30968150e+07 2.56098683e+09 5.54090888e+11]

[ 2.33938090e+07 4.16868831e+09 8.88107977e+11 2.02709466e+14]

[ 8.92401257e+09 1.75448496e+12 3.91158095e+14 9.14371473e+16]

[ 3.91594494e+12 8.22253777e+14 1.88391843e+17 4.46633604e+19]]

--moments\_central : [[ 8.39140000e+04 5.50480323e-06 5.16911192e+08 -6.96628031e+09]

[ 2.97207760e-06 5.17517010e+08 1.26058453e+10 4.51706125e+12]

[ 2.40221288e+09 7.31263050e+10 1.36768428e+13 5.96622973e+14]

[ 8.86876966e+10 2.92521129e+13 1.53799699e+15 2.53236658e+17]]

--moments\_hu: [ 4.14556479e-01 9.32901549e-02 1.29351341e-02 3.51799887e-03

2.19852413e-05 8.52079666e-04 -8.93550044e-06]

--moments\_normalized: [[ nan nan 0.07340862 -0.00341519]

[ nan 0.07349466 0.00617996 0.00764456]

[ 0.34114785 0.03584987 0.02314635 0.00348562]

[ 0.04347878 0.04950556 0.00898535 0.00510727]]

--orientation: -0.25103825796552054

--perimeter: 2934.61662865

--solidity : 0.629975525893

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

--region.area: 73337

--region.bbox: (344, 134, 672, 750)

--region.bbox\_area: 1997568

--region.centroid: (498.48492575371233, 367.38006736026836)

--region.convex\_area: 124310

--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 ..., False False False]

[False False False ..., False False False]]

--region.coords: [[344 321]

[345 318]

[345 319]

...,

[670 447]

[670 448]

[671 445]]

--region.eccentricity: 0.8953950326759386

--equivalent\_diameter: 305.57416201675596

--euler\_number: -8

--extent : 0.362968205575

--filled\_area: 81189

--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 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 False False]]

--inertia\_tensor: [[ 20644.99231469 204.2195936 ]

[ 204.2195936 4096.25525431]]

--inertia\_tensor\_eigvals: (20647.512101725271, 4093.7354672766305)

--label: 4

--major\_axis\_length: 574.7696874641218

--minor\_axis\_length : 255.9292235685993

--moments: [[ 7.33370000e+04 1.13294610e+07 2.05063801e+09 4.13488143e+11]

[ 1.71153940e+07 2.62909352e+09 4.61012535e+11 8.96137785e+13]

[ 5.50843361e+09 8.48610622e+11 1.43936961e+14 2.66242414e+16]

[ 2.09506614e+12 3.23226026e+14 5.33376098e+16 9.41953583e+18]]

--moments\_central : [[ 7.33370000e+04 2.72053518e-06 3.00407072e+08 3.87875400e+09]

[ 7.77615128e-08 -1.49768523e+07 -1.29381064e+10 1.82409293e+11]

[ 1.51404180e+09 4.63126333e+09 2.88083749e+12 6.84499343e+13]

[ 1.02813182e+11 -1.22544556e+12 -2.50988629e+14 -9.37214651e+15]]

--moments\_hu: [ 3.37363780e-01 5.09504356e-02 9.50267207e-03 3.84183952e-03

2.26902944e-05 8.47500911e-04 -4.89846643e-06]

--moments\_normalized: [[ nan nan 0.05585523 0.00266308]

[ nan -0.00278467 -0.00888307 0.00046246]

[ 0.28150855 0.00317974 0.00730381 0.00064083]

[ 0.07058964 -0.00310688 -0.00234976 -0.000324 ]]

--orientation: 0.012337989366236464

--perimeter: 2872.07856942

--solidity : 0.58995253801

