



## Rapport Travaux Pratiques 3

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```
ClearScreen ();
Calibrate (One_Pixel_per_Centimeter);
AreaGNVFactors[0.,15] = 100.0 : 1.0 : -1.0 : 256.0 : 100.0 : 5.0 : 1.0 : -1.0 : -1.0 : 0.0 : 255.0 : -1.0 :
2.0 : 0.0 : 0.0;
REAL rPairs[,];
Histogram();
//Grab (3);
rPairs = GetAutoThreshold(ArROIHistogram,3,2,10.0,ActiveLuminanceRange,);
if ( 'Pairs && 1 < GetShape(rPairs)[0] )</pre>
 }
Delete(rPairs);
BINB_iIterations = 1;

// Binary Closing [dilate then erode]

DilateFilter(,BINB_iIterations);

ErodeFilter(,BINB_iIterations);

Threshold ( 127.5:255.0 );
 BINB_iIterations = 1;

// Binary Opening [erode then dilate]

ErodeFilter(,BINB_iIterations);

DilateFilter(,BINB_iIterations);

Threshold ( 127.5:255.0 );
 ActivateMeasurementSet("Area Morphometry Set");
RunMacro ("c:/PROGRAM FILES (X86)/OPTIMAS 6.5/MACSRC/PC/pps.mac");
PS_CountMacro ();
CloseWindow("Particle Count");
 // dfinitions des classes
CreateEmptyClass("clefs", 2, 'A'); // classe vide
GetOrsetField("clefs", 302, "clefs"); // le label
GetOrsetField("clefs", 302, "clefs"); // le label
GetOrsetField("clefs", 306, "Ar_clefs Member_A = Arcircularity > 80 66 ArArea > 3500 66 ArBreadth < 100 ;"); //
la dfinition</pre>
 CreateEmptyClass("Ring", 2, 'B');
GetOrSetField("Ring", 302, "Ring");
GetOrSetField("Ring", 306, "Ar_Ring_Member_B = ArEulerNumber_ == 0 && ArNestNofParents_==0 && ArRectangularity_>
0.65;");
 CreateEmptyClass("Des_3", 2, 'E');
GetOrSetField("Des_3", 302, "Dés_3");
GetOrSetField("Des_3", 306, "Ar_Des_3, Member_E = ArEulerNumber == -2 && ArNestNofParents == 0 &&
ArRectangularity < 0.65 && ArCircularity < 30;");
 CreateEmptyClass("Robotic_Object", 2, 'I');
GetOrSetField("Robotic_Object", 302, "Robot_Objet");
GetOrSetField("Robotic_Object", 302, "Rrobot_Object", 306, "Ar Robotic_Object_Member_I = ArNestNofParents == 0 && ArEulerNumber == 1
&& ArCircularity < 22 && ArCircularity > 18 && ArRectangularity > 0.65;");
CreateEmpt(sas("Intrus", 2, 'J');

GetOrSetField("Intrus", 302, "Intrus");

GetOrSetField("Intrus", 306, "Ar_Intrus Hember_J = !Ar_Clefs Member_A && !Ar_Des_1,Member_C && !Ar_Des_2,Member_D && !Ar_Des_2,Member_E && !Ar_Des_3,Member_E && !Ar_Des_3,Member_E && !Ar_Des_4,Member_E && !Ar_Des_5,Member_G && !Ar_Des_6,Member_H && !Ar_Ring_Member_B && !Ar_Robotic_object_Member_I && Ar_RestOnfParents == 0;");
Ar_Ring_Member_B && IAr_Robotic_object_Member_I && Ar_
// extraction des caractEristiques et des Étiquettes
SetExport(eAr_Circularity_i_, RNE);
SetExport (eAr_Circularity_i_, RNE);
SetExport (eAr_Circularity_i_, RNE);
SetExport (eAr_Circularity_i_) optExtractFlag, TRUE);
SetExport (eAr_Circularity_i_optExtractFlag, TRUE);
SetExport (eAr_Circularity_optExtractFlag, TRUE);
SetExport (eAr_Circularity_optExtractFlag, TRUE);
SetExport (eAr_Circularity_optExtractFlag, TRUE);
SetExport (eAr_Circularity_optExtractFlag, TRUE);
MultipleExtract(TRUE);
```

FIGURE 2.1 – Macro de reconnaissance de forme