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**pprint.pprint(organ.\_\_dict\_\_)**

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objects

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dir\_res

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dir\_info

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's3\_file': 'LS52\_F02\_V\_SR\_1029\_s3\_ch1\_ext.npy',

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'shape\_s3': (288, 892, 894)}},

'dir\_cho': WindowsPath('D:/Documents JSP/Dropbox/Dropbox\_Juliana/PhD\_Thesis/Data\_ongoing/LS\_ongoing/A\_LS\_Analysis/im\_morphoHeart/LS52\_F02\_V\_SR\_1029\_2A/Im\_LS52\_F02\_V\_SR\_1029/LS52\_F02\_V\_SR\_1029\_ch0\_EDC.tif'),

'dir\_mk': WindowsPath('D:/Documents JSP/Dropbox/Dropbox\_Juliana/PhD\_Thesis/Data\_ongoing/LS\_ongoing/A\_LS\_Analysis/im\_morphoHeart/LS52\_F02\_V\_SR\_1029\_2A/Im\_LS52\_F02\_V\_SR\_1029/LS52\_F02\_V\_SR\_1029\_ch0\_mask.tif'),

'dir\_stckproc': WindowsPath('D:/Documents JSP/Dropbox/Dropbox\_Juliana/PhD\_Thesis/Data\_ongoing/LS\_ongoing/A\_LS\_Analysis/im\_morphoHeart/R\_Project\_A-B/LS52\_F02\_V\_SR\_1029/s3\_numpy/LS52\_F02\_V\_SR\_1029\_StckProc\_ch1.npy'),

'masked': True,

'parent\_organ': <src.modules.mH\_classes.Organ object at 0x000001ED4539E070>,

'parent\_organ\_name': 'LS52\_F02\_V\_SR\_1029',

'process': ['Init',

'Masked',

'ClosedCont-Auto',

'ClosedCont-Manual',

'ClosedInfOutf',

'SelectCont',

'CreateS3',

'LoadS3',

'LoadS3',

'LoadS3',

'LoadS3'],

'resolution': [0.22832596445005054, 0.22832596445005054, 0.652961],

's3\_ext': <src.modules.mH\_classes.ContStack object at 0x000001ED47BAD970>,

's3\_int': <src.modules.mH\_classes.ContStack object at 0x000001ED47CAC2B0>,

's3\_tiss': <src.modules.mH\_classes.ContStack object at 0x000001ED1F1E8970>,

'shape': (288, 892, 892),

'shape\_s3': (288, 892, 894),

'to\_mask': True,

'user\_chName': 'myocardium'}

**pprint.pprint(im\_ch2.\_\_dict\_\_)**

{'ch\_relation': 'internal',

'channel\_no': 'ch2',

'contStack': {'ext': {'cont\_name': 'ch2\_ext',

'cont\_type': 'ext',

'imfilled\_name': 'imExtFilledCont',

'process': ['Init',

'Loaded',

'Loaded',

'Loaded',

'Loaded'],

's3\_dir': WindowsPath('D:/Documents JSP/Dropbox/Dropbox\_Juliana/PhD\_Thesis/Data\_ongoing/LS\_ongoing/A\_LS\_Analysis/im\_morphoHeart/R\_Project\_A-B/LS52\_F02\_V\_SR\_1029/s3\_numpy/LS52\_F02\_V\_SR\_1029\_s3\_ch2\_ext.npy'),

's3\_file': 'LS52\_F02\_V\_SR\_1029\_s3\_ch2\_ext.npy',

'shape\_s3': (288, 892, 894)},

'int': {'cont\_name': 'ch2\_int',

'cont\_type': 'int',

'imfilled\_name': 'imIntFilledCont',

'process': ['Init',

'Loaded',

'Loaded',

'Loaded',

'Loaded'],

's3\_dir': WindowsPath('D:/Documents JSP/Dropbox/Dropbox\_Juliana/PhD\_Thesis/Data\_ongoing/LS\_ongoing/A\_LS\_Analysis/im\_morphoHeart/R\_Project\_A-B/LS52\_F02\_V\_SR\_1029/s3\_numpy/LS52\_F02\_V\_SR\_1029\_s3\_ch2\_int.npy'),

's3\_file': 'LS52\_F02\_V\_SR\_1029\_s3\_ch2\_int.npy',

'shape\_s3': (288, 892, 894)},

'tiss': {'cont\_name': 'ch2\_tiss',

'cont\_type': 'tiss',

'imfilled\_name': 'imAllFilledCont',

'process': ['Init',

'Loaded',

'Loaded',

'Loaded',

'Loaded'],

's3\_dir': WindowsPath('D:/Documents JSP/Dropbox/Dropbox\_Juliana/PhD\_Thesis/Data\_ongoing/LS\_ongoing/A\_LS\_Analysis/im\_morphoHeart/R\_Project\_A-B/LS52\_F02\_V\_SR\_1029/s3\_numpy/LS52\_F02\_V\_SR\_1029\_s3\_ch2\_tiss.npy'),

's3\_file': 'LS52\_F02\_V\_SR\_1029\_s3\_ch2\_tiss.npy',

'shape\_s3': (288, 892, 894)}},

'dir\_cho': WindowsPath('D:/Documents JSP/Dropbox/Dropbox\_Juliana/PhD\_Thesis/Data\_ongoing/LS\_ongoing/A\_LS\_Analysis/im\_morphoHeart/LS52\_F02\_V\_SR\_1029\_2A/Im\_LS52\_F02\_V\_SR\_1029/LS52\_F02\_V\_SR\_1029\_ch1\_EDC.tif'),

'dir\_mk': WindowsPath('D:/Documents JSP/Dropbox/Dropbox\_Juliana/PhD\_Thesis/Data\_ongoing/LS\_ongoing/A\_LS\_Analysis/im\_morphoHeart/LS52\_F02\_V\_SR\_1029\_2A/Im\_LS52\_F02\_V\_SR\_1029/LS52\_F02\_V\_SR\_1029\_ch1\_mask.tif'),

'dir\_stckproc': WindowsPath('D:/Documents JSP/Dropbox/Dropbox\_Juliana/PhD\_Thesis/Data\_ongoing/LS\_ongoing/A\_LS\_Analysis/im\_morphoHeart/R\_Project\_A-B/LS52\_F02\_V\_SR\_1029/s3\_numpy/LS52\_F02\_V\_SR\_1029\_StckProc\_ch2.npy'),

'masked': True,

'parent\_organ': <src.modules.mH\_classes.Organ object at 0x000001ED4539E070>,

'parent\_organ\_name': 'LS52\_F02\_V\_SR\_1029',

'process': ['Init',

'Masked',

'ClosedCont-Auto',

'ClosedCont-Manual',

'ClosedInfOutf',

'SelectCont',

'CreateS3',

'LoadS3',

'LoadS3',

'LoadS3',

'LoadS3'],

'resolution': [0.22832596445005054, 0.22832596445005054, 0.652961],

's3\_ext': <src.modules.mH\_classes.ContStack object at 0x000001ED4537BC40>,

's3\_int': <src.modules.mH\_classes.ContStack object at 0x000001ED47B67040>,

's3\_tiss': <src.modules.mH\_classes.ContStack object at 0x000001ED452B8BE0>,

'shape': (288, 892, 892),

'shape\_s3': (288, 892, 894),

'to\_mask': True,

'user\_chName': 'endocardium'}

**pprint.pprint(im\_ch1.s3\_ext.\_\_dict\_\_)**

{'cont\_name': 'ch1\_ext',

'cont\_type': 'ext',

'im\_channel': <src.modules.mH\_classes.ImChannel object at 0x000001ED452B8F40>,

'imfilled\_name': 'imExtFilledCont',

'process': ['Init', 'Loaded', 'Loaded', 'Loaded', 'Loaded'],

's3\_dir': WindowsPath('D:/Documents JSP/Dropbox/Dropbox\_Juliana/PhD\_Thesis/Data\_ongoing/LS\_ongoing/A\_LS\_Analysis/im\_morphoHeart/R\_Project\_A-B/LS52\_F02\_V\_SR\_1029/s3\_numpy/LS52\_F02\_V\_SR\_1029\_s3\_ch1\_ext.npy'),

's3\_file': 'LS52\_F02\_V\_SR\_1029\_s3\_ch1\_ext.npy',

'shape\_s3': (892, 892, 290)}

**pprint.pprint(msh1\_ext.\_\_dict\_\_)**

{'alpha': 1,

'channel\_no': 'ch1',

'color': 'gold',

'dir\_out': WindowsPath('D:/Documents JSP/Dropbox/Dropbox\_Juliana/PhD\_Thesis/Data\_ongoing/LS\_ongoing/A\_LS\_Analysis/im\_morphoHeart/R\_Project\_A-B/LS52\_F02\_V\_SR\_1029/meshes/LS52\_F02\_V\_SR\_1029\_myocardium\_ext.vtk'),

'imChannel': <src.modules.mH\_classes.ImChannel object at 0x000001ED452B8F40>,

'legend': 'myocardium\_ext',

'mesh': <Mesh(0x000001ED21F952A0) at 0x000001ED47C9B280>,

'mesh\_type': 'ext',

'name': 'ch1\_ext',

'parent\_organ': <src.modules.mH\_classes.Organ object at 0x000001ED4539E070>,

'resolution': [0.22832596445005054, 0.22832596445005054, 0.652961],

'user\_meshName': 'myocardium'}