

VolumeManager

StackedVolume

Stack

1

N

Stitcher

Stitcher

```
+ computeDisplacements(algorithm_type: int, ...)
+ projectDisplacements()
+ thresholdDisplacements(thres: float)
+ computeTilesPlacement(algorithm_type: int)
+ mergeTiles(blending_type: int,...)
```

«uses»

«executes»

«executes»

«uses»

N

«interface»

TilesPlacementAlgo

+ execute(...)

«interface»

PairwiseDisplAlgo

+ execute(...): Displacement

«interface»

Displacement

```
# def_displacements: int[3]
# displacements: int[3]
+ evalReliability(): float
+ getDisplacement(direction: int): int
+ threshold(thres: float)
+ project(displ: Displacement)
```

«produces»

«uses»

MST

...

MIP-NCC

...

+ execute(...)

+ execute(...): Displacement

MIP-NCC-Displ

...

```
- MIP_displacements: int[6]
- NCC_widths: float[3]
- NCC_maxs: float[3]
- reliab_factors: float[3]
+ evalReliability(): float
+ ...
```

Strategy

Abstract Factory