TrainingData

2017.03.24

1 INPUT AND OUTPUT

- 54 pairwise examples in all.

- 3 simple examples are just for debug: box_000, box_997 and box_999.

- 7 examples named tbox_*** can't be correctly handled in our program for now.

- 40 examples have reconstructed mesh, 33 of them have pleasing results,

- Reconstructed mesh is made by n-2 coefficients, generated by the graph laplacian. We take edge as graph node, and if e_i and e_j is in the same face, they will have a weight based on distance function.
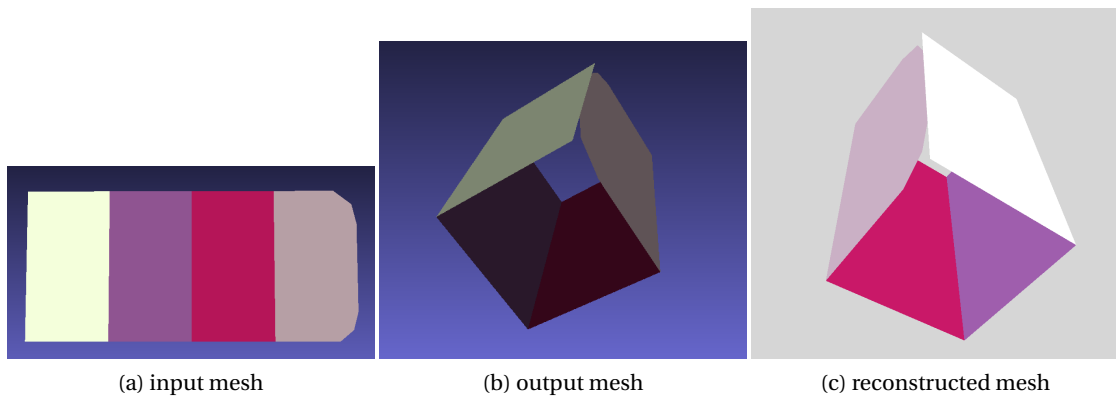

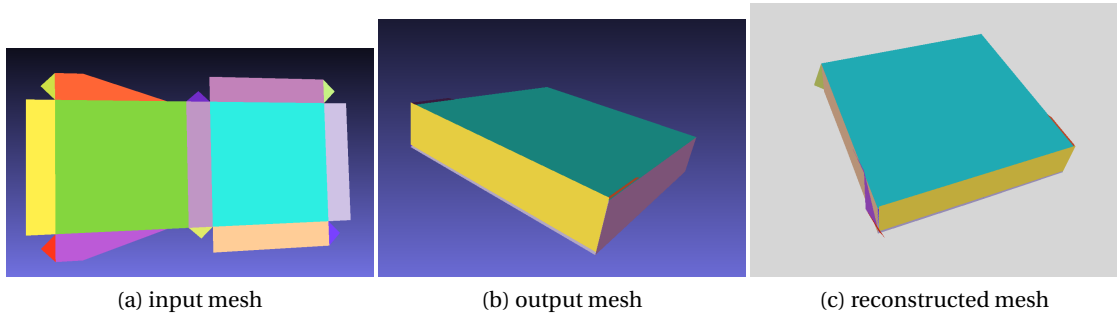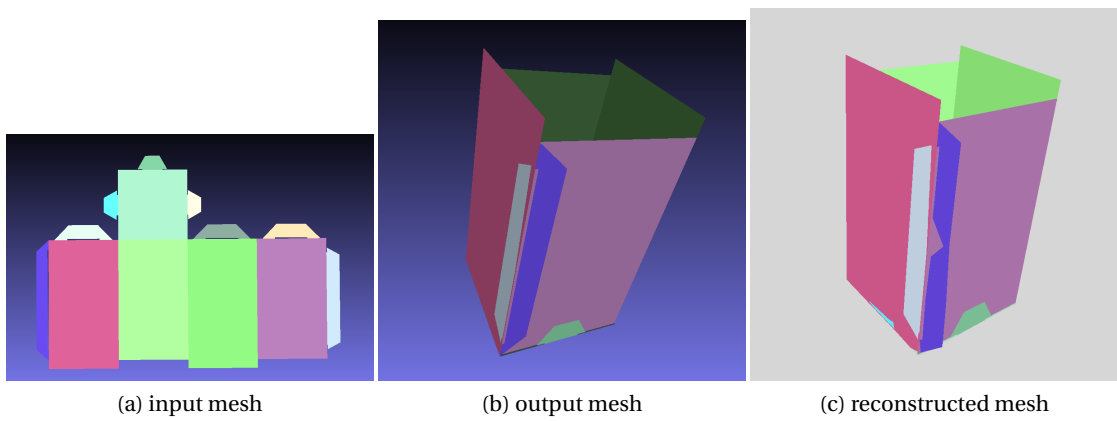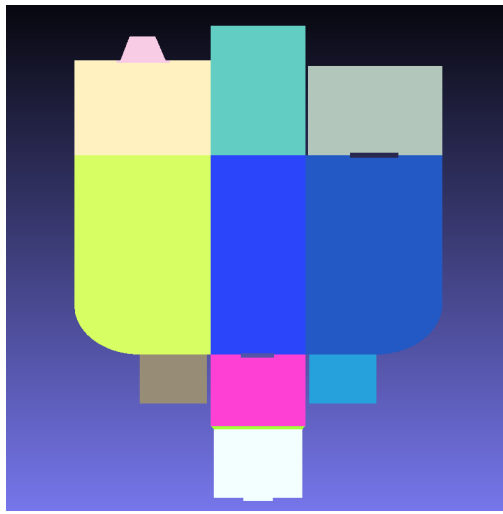(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.1: box_000

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.2: box_001

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.3: box_002

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.4: box_004

(a) input mesh
(b) output mesh
(c) reconstructed mesh

Figure 1.5: box_005

(a) input mesh
(b) output mesh
(c) reconstructed mesh
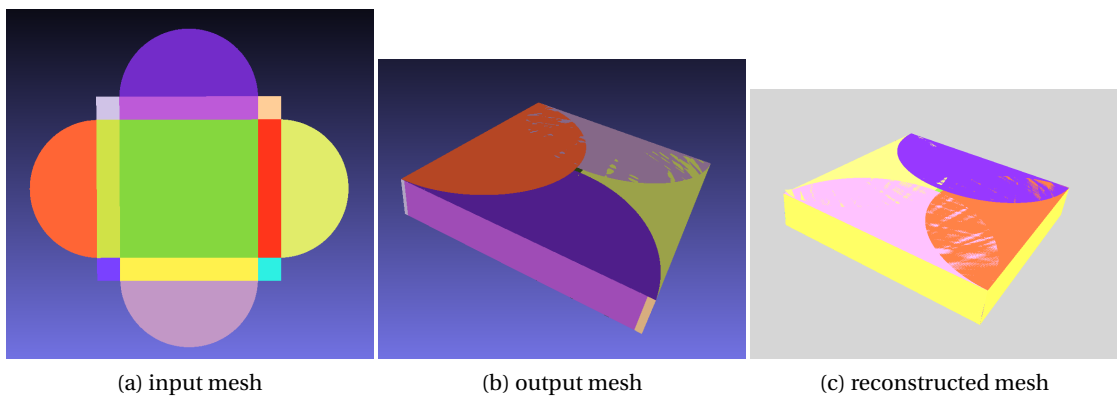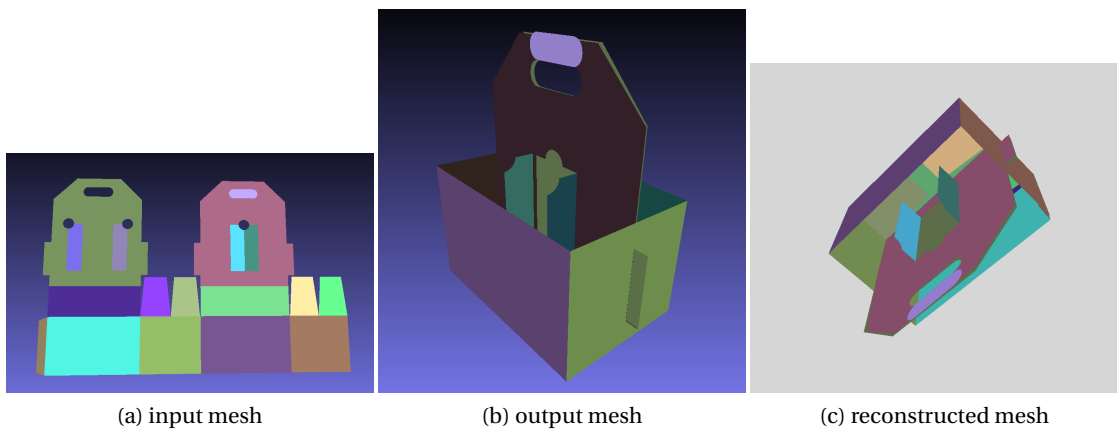
Figure 1.6: box_006
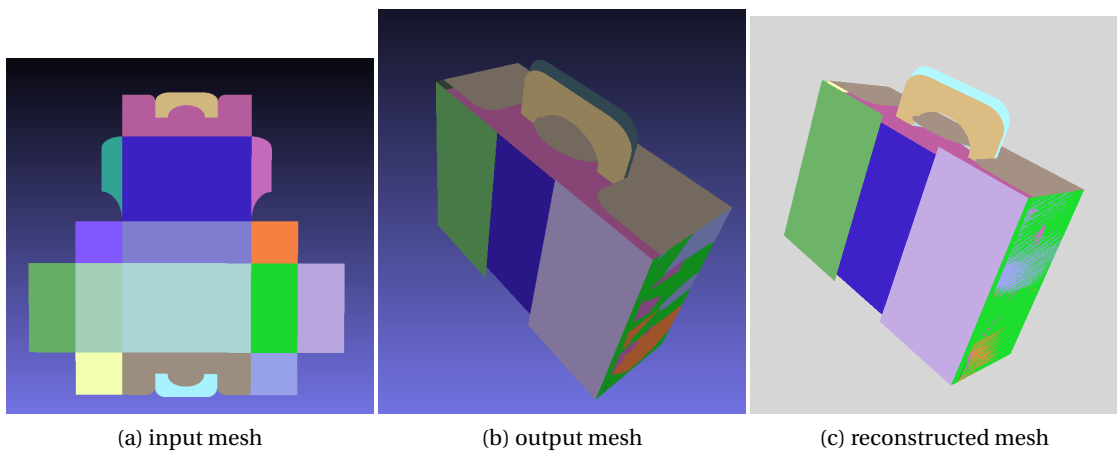
(a) input mesh
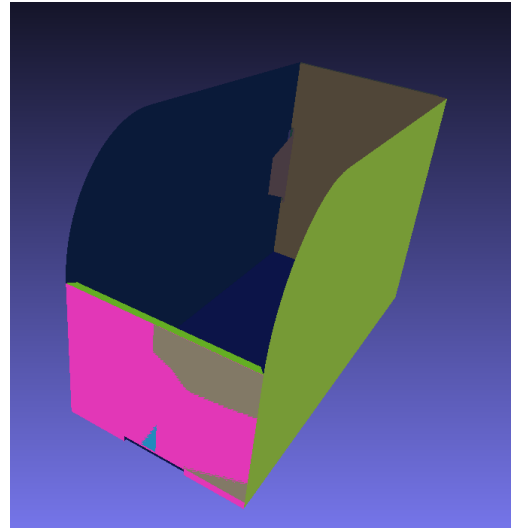(b) output mesh
(c) reconstructed mesh
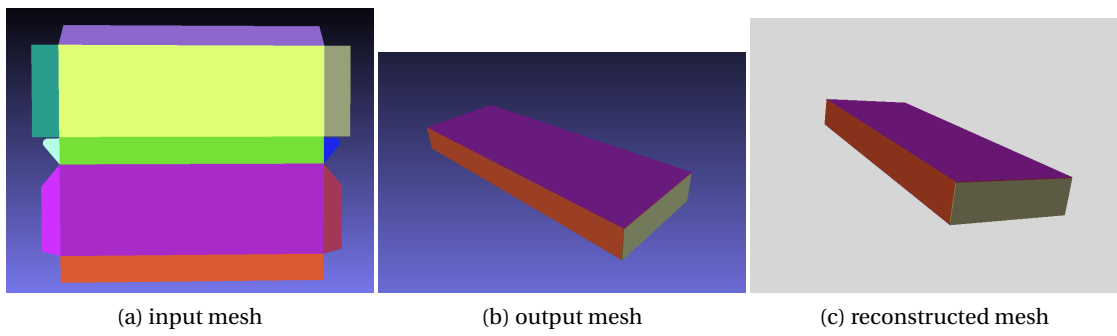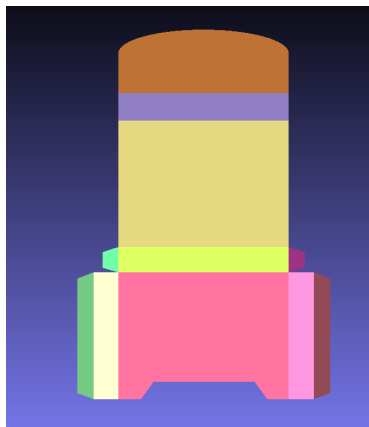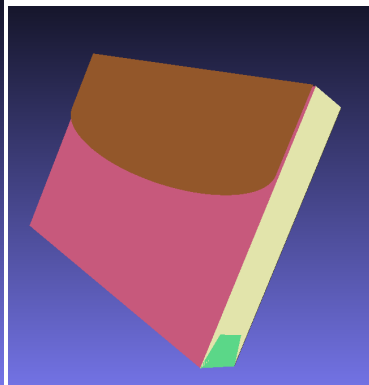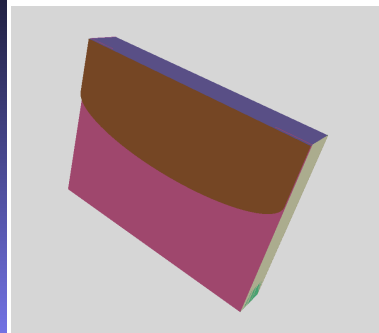
Figure 1.7: box_008

(a) input mesh

(b) output mesh

Figure 1.8: box_009

(a) input mesh

(b) output mesh

(c) reconstructed mesh

Figure 1.9: box_010

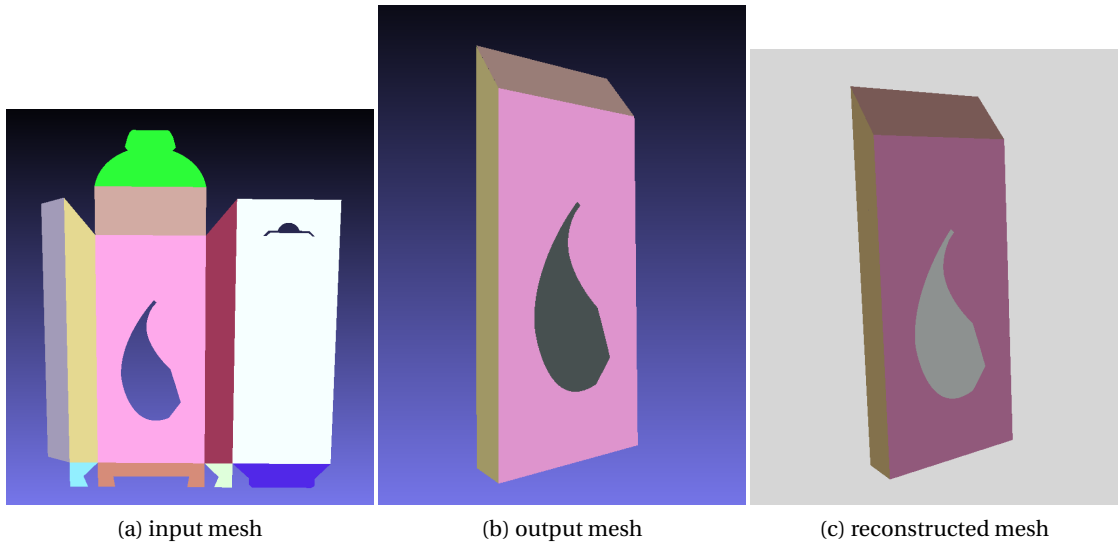(a) input mesh (b) output mesh (c) reconstructed mesh
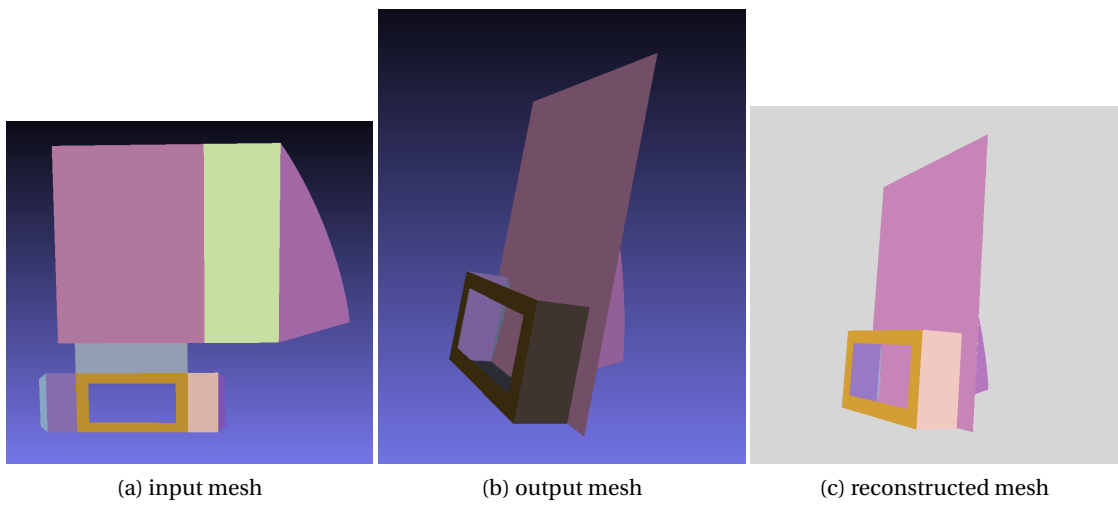
Figure 1.10: box_011
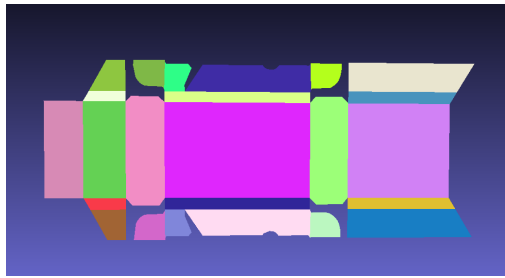

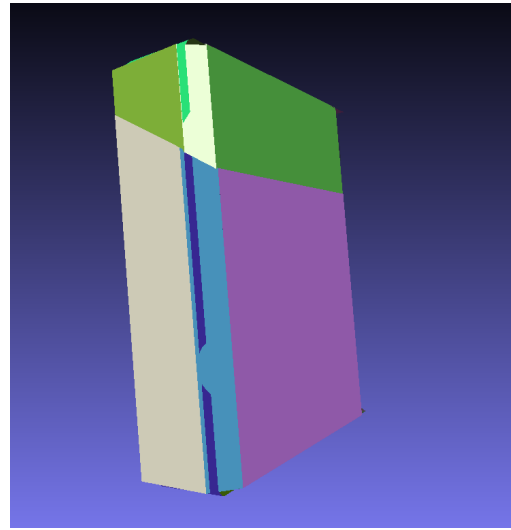(a) input mesh (b) output mesh (c) reconstructed mesh
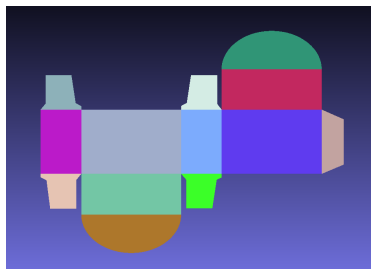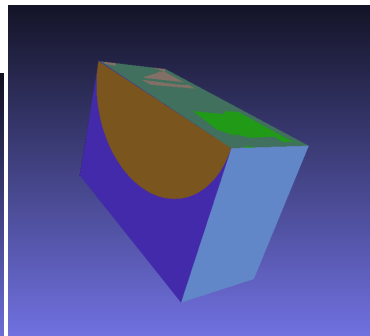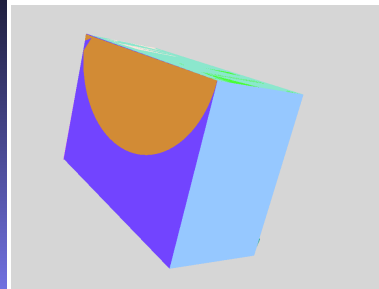
Figure 1.11: box_012

(a) input mesh

(b) output mesh

Figure 1.12: box_013

(a) input mesh

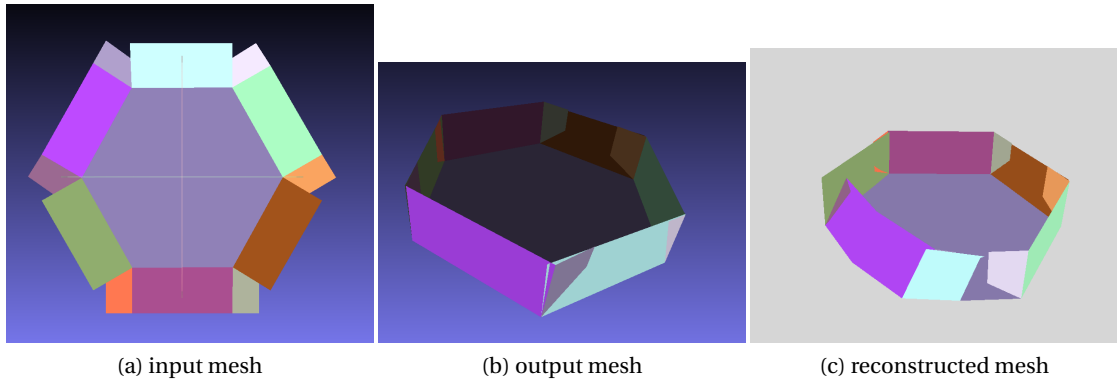(b) output mesh

(c) reconstructed mesh

Figure 1.13: box_014

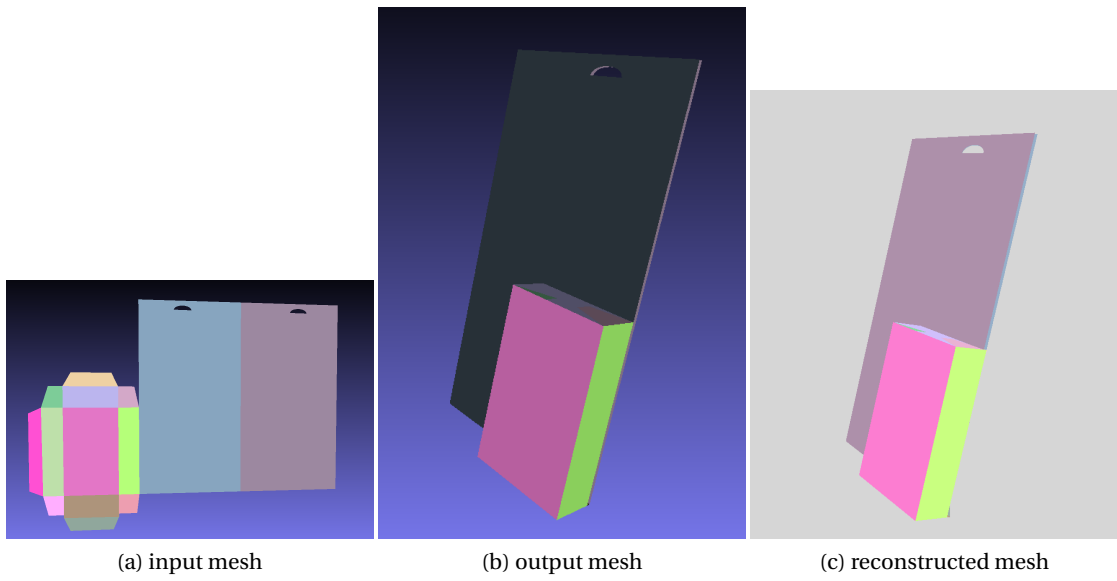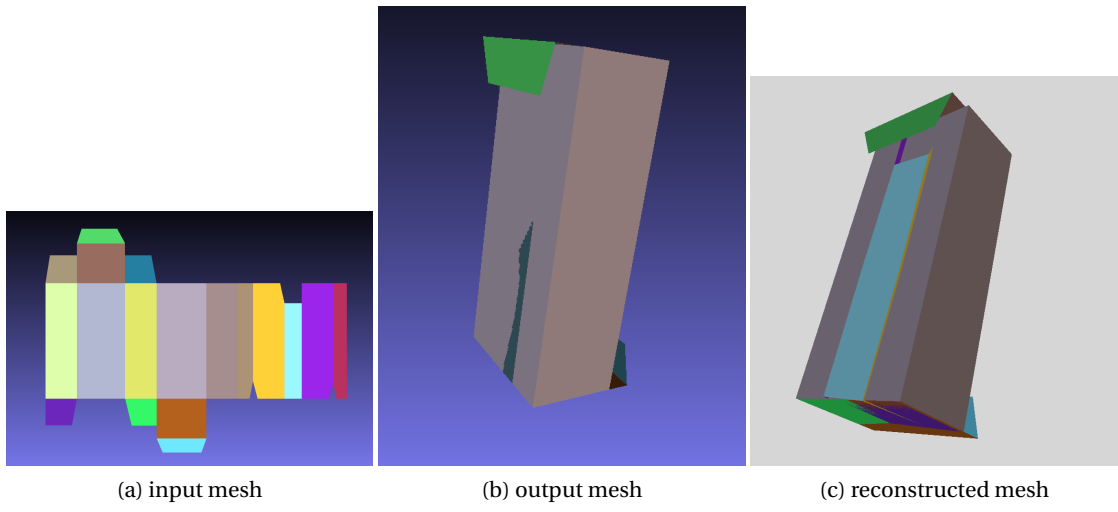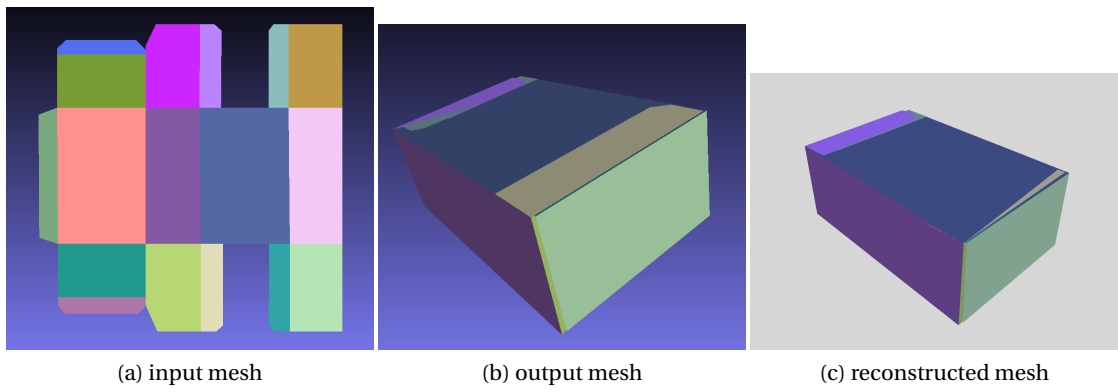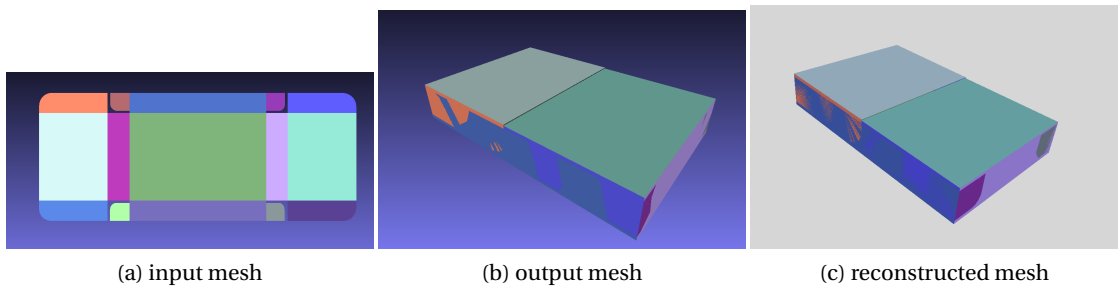(a) input mesh (b) output mesh (c) reconstructed mesh

Figure 1.14: box_015

(a) input mesh (b) output mesh (c) reconstructed mesh

Figure 1.15: box_017

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.16: box_018

(a) input mesh   (b) output mesh   (c) reconstructed mesh
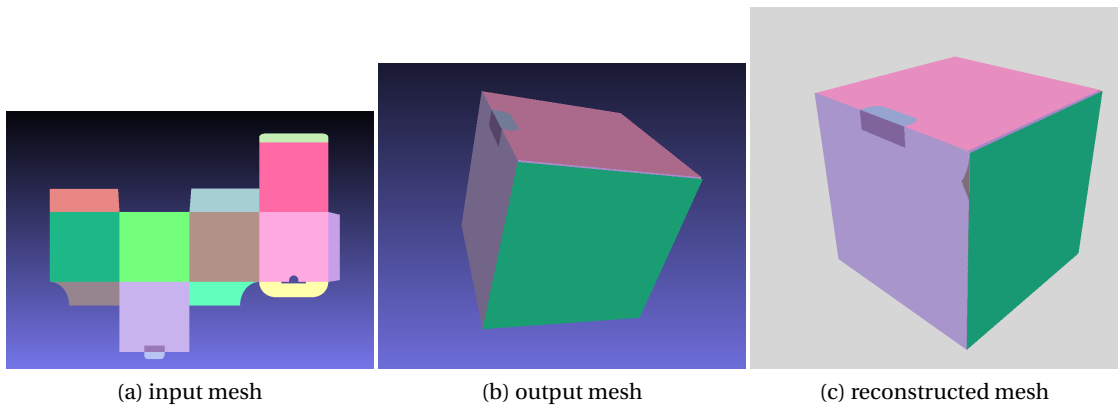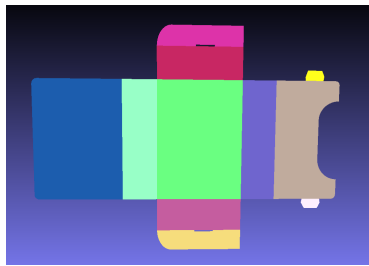
Figure 1.17: box_019

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.18: box_020

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.19: box_021

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.20: box_022

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.21: box_023

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.22: box_067

(a) input mesh   (b) output mesh   (c) reconstructed mesh
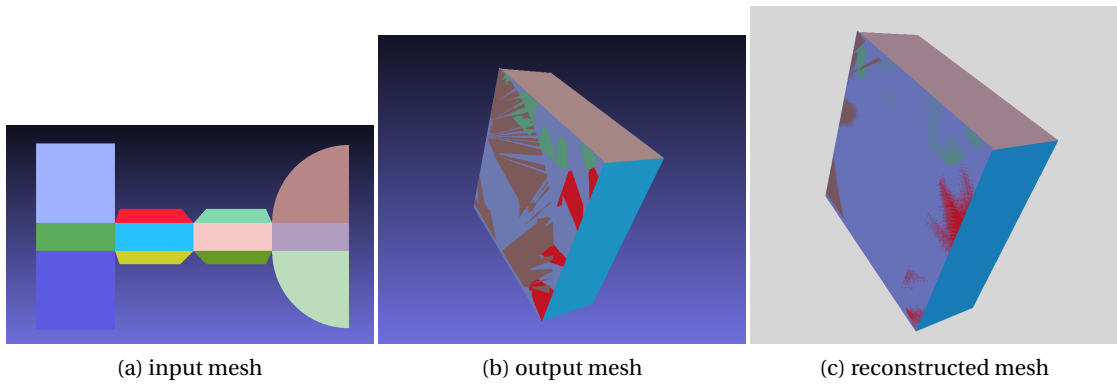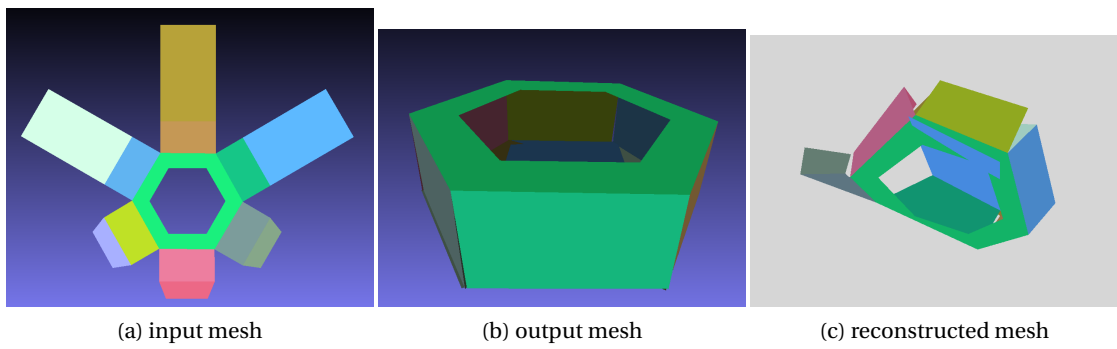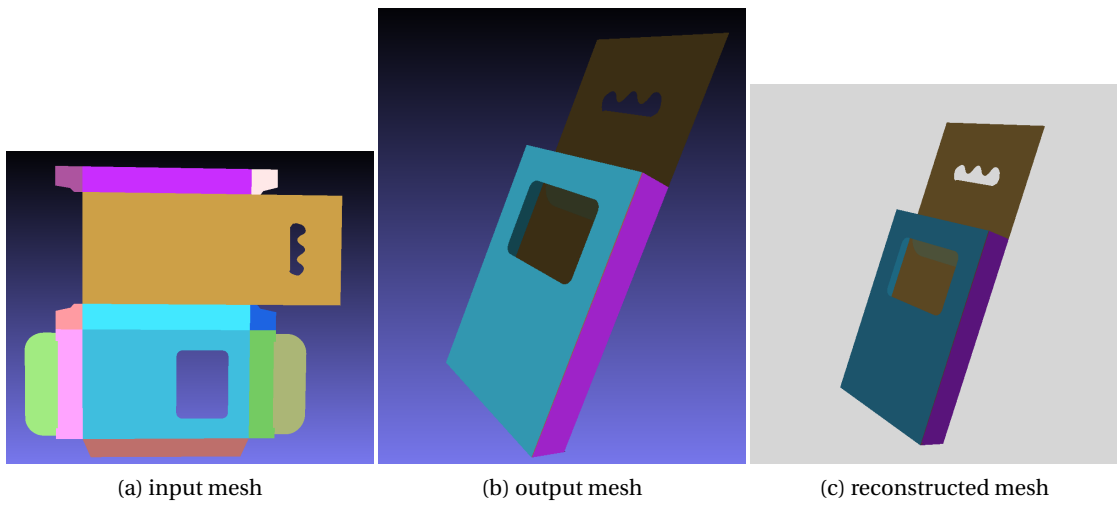
Figure 1.23: box_068
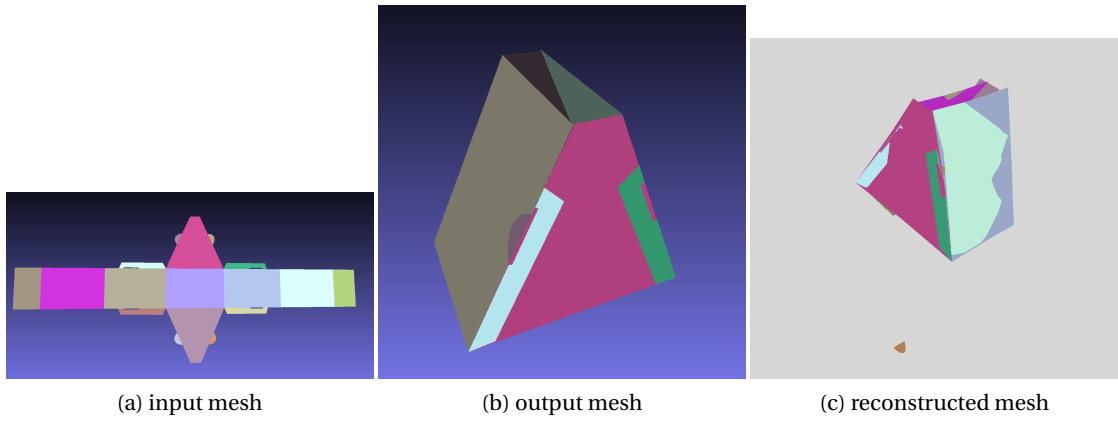
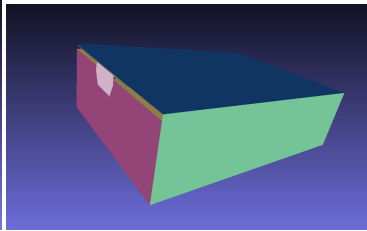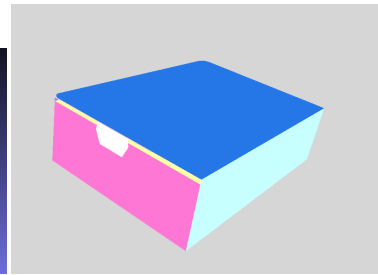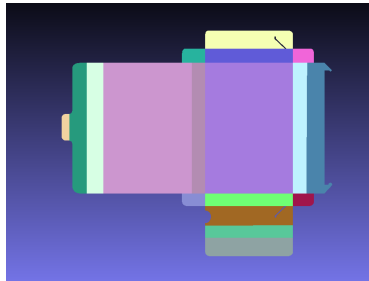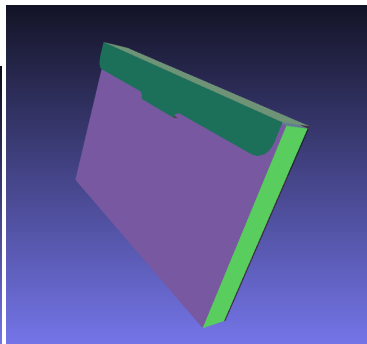(a) input mesh   (b) output mesh   (c) reconstructed mesh
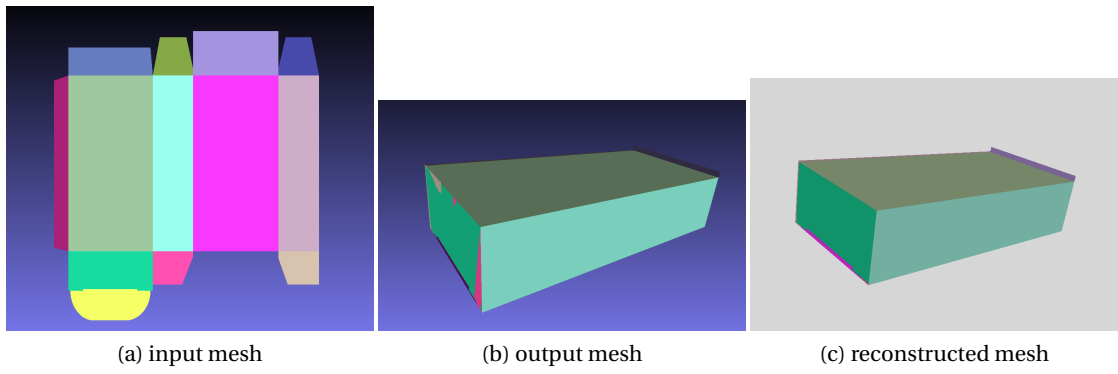
Figure 1.24: box_069

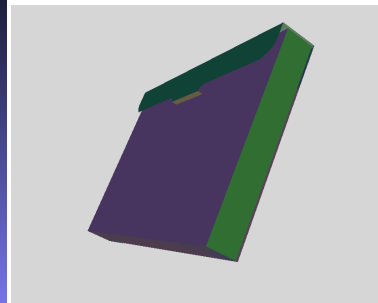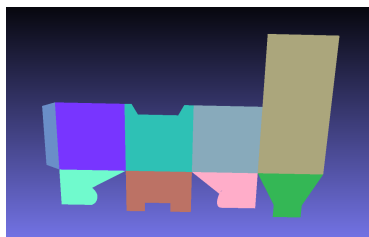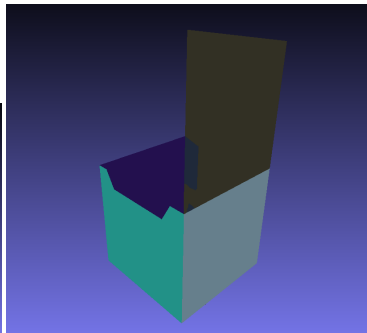(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.25: box_070

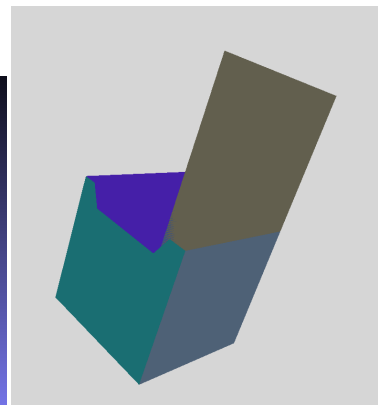(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.26: box_071

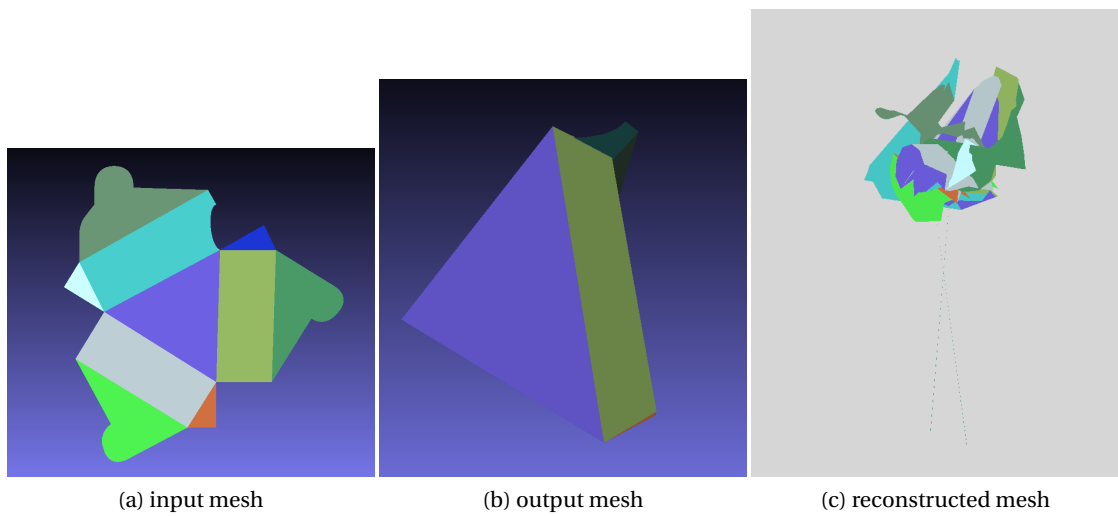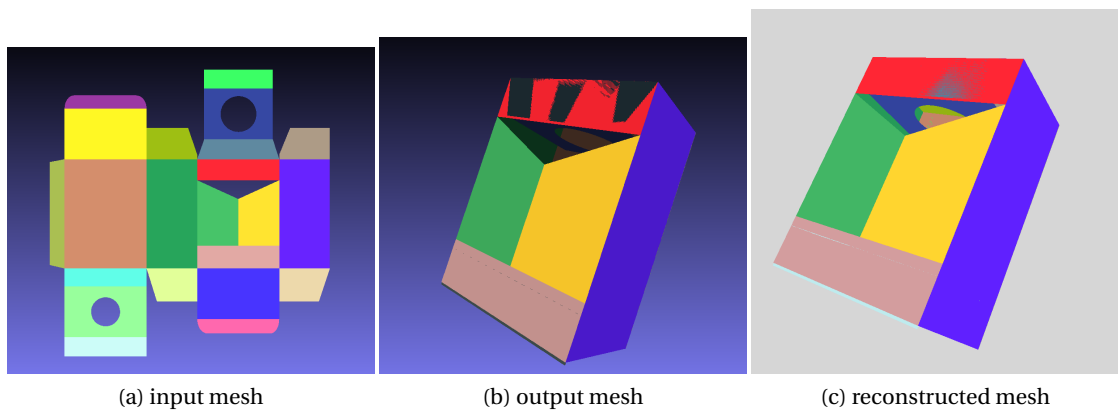(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.27: box_072

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.28: box_073

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.29: box_075

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.30: box_076

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.31: box_077

| (a) input mesh | (b) output mesh | (c) reconstructed mesh |

Figure 1.32: box_079

| (a) input mesh | (b) output mesh | (c) reconstructed mesh |

Figure 1.33: box_082

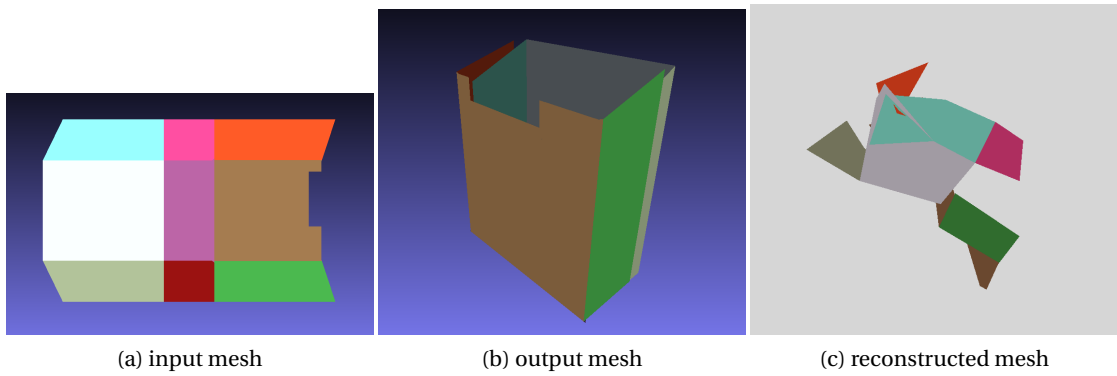| (a) input mesh | (b) output mesh | (c) reconstructed mesh |

Figure 1.34: box_083

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.35: box_084

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.36: box_085

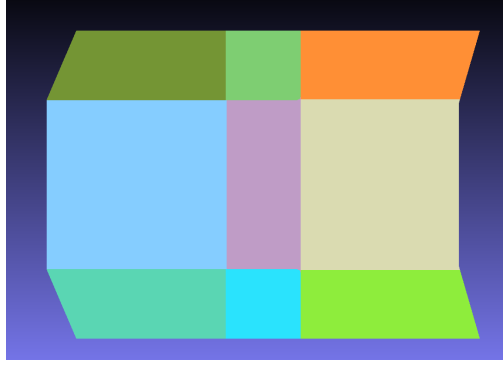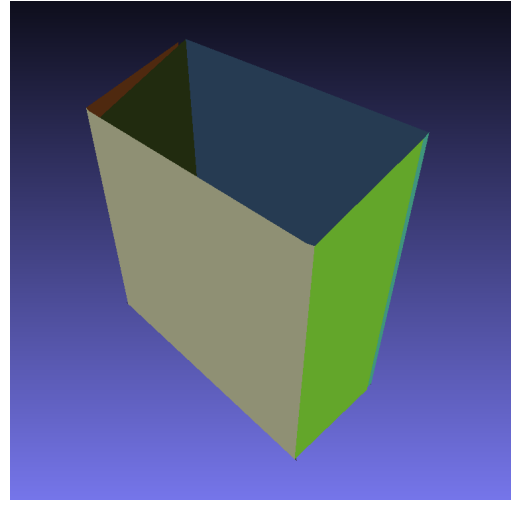(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.37: box_086

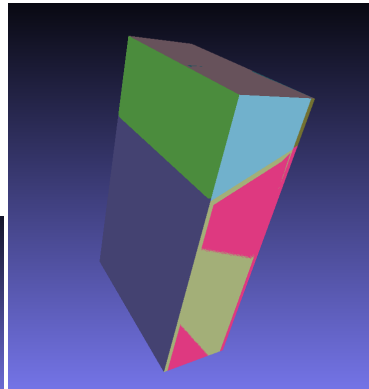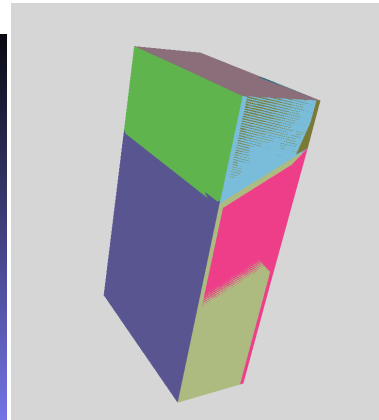(a) input mesh   (b) output mesh

Figure 1.38: box_087

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.39: box_088

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.40: box_092

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.41: box_093

(a) input mesh

(b) output mesh

Figure 1.42: box_095

(a) input mesh

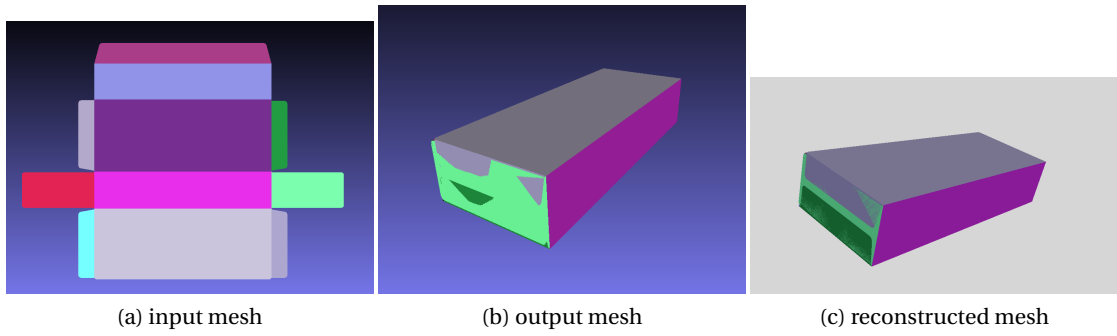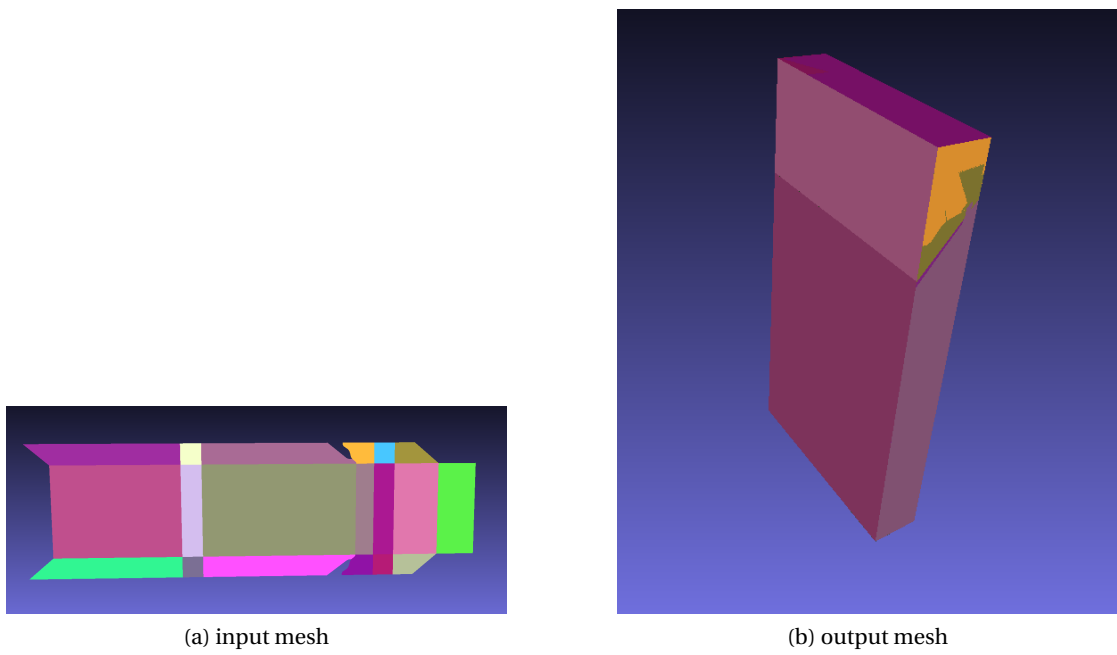(b) output mesh

(c) reconstructed mesh

Figure 1.43: box_100

(a) input mesh   (b) output mesh   (c) reconstructed mesh

Figure 1.44: box_643

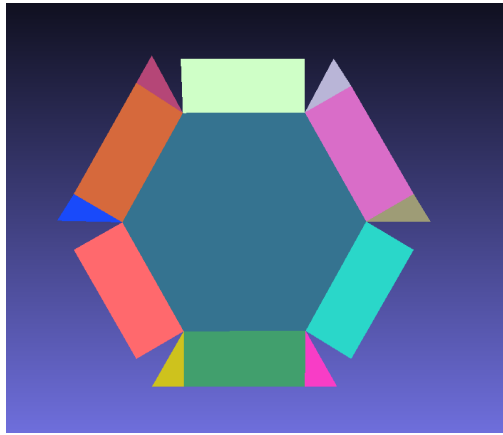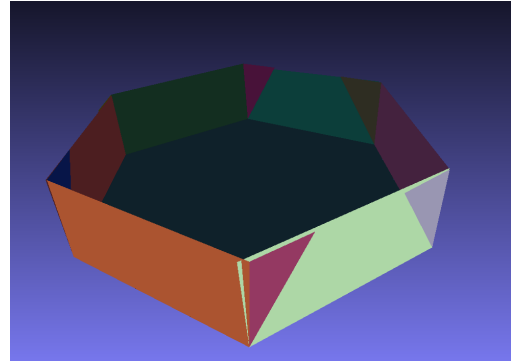(a) input mesh   (b) output mesh
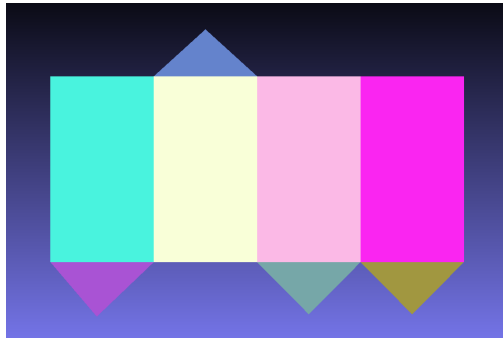
Figure 1.45: box_666

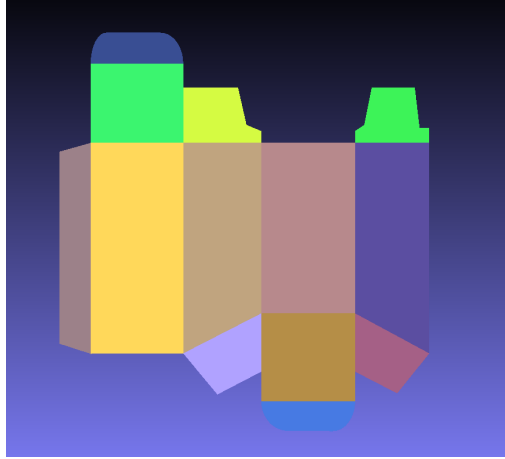(a) input mesh

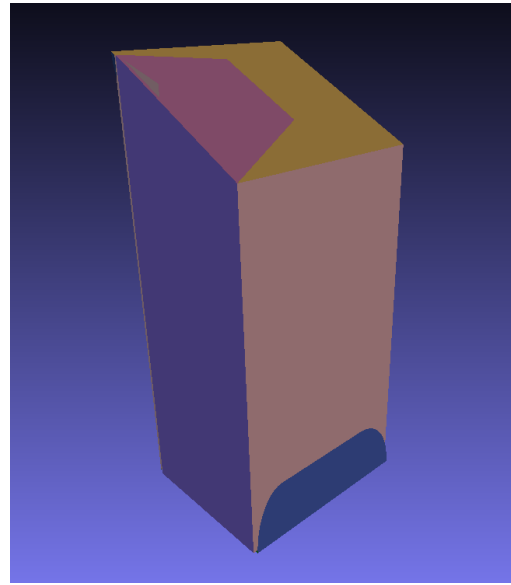(b) output mesh

Figure 1.46: box_997

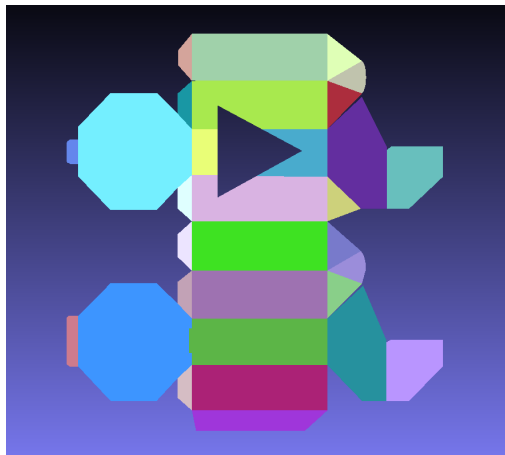(a) input mesh

(b) output mesh

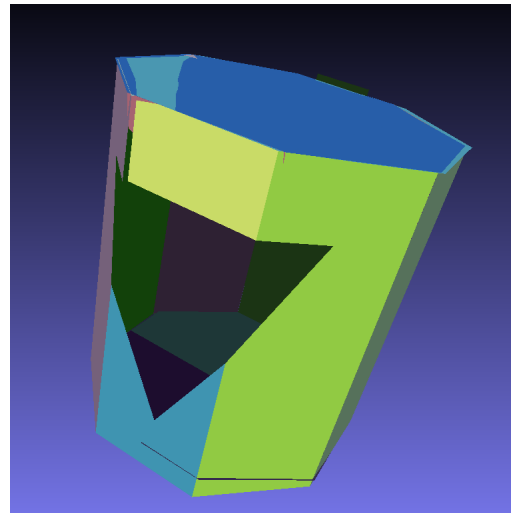Figure 1.47: box_999

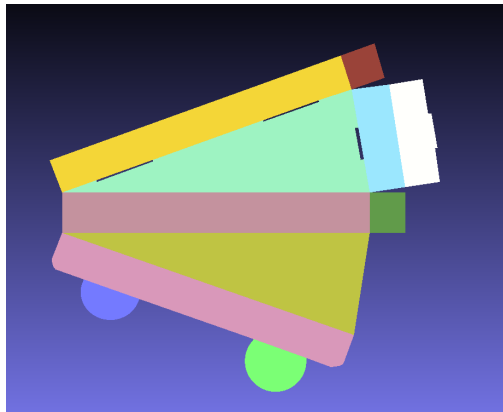(a) input mesh

(b) output mesh
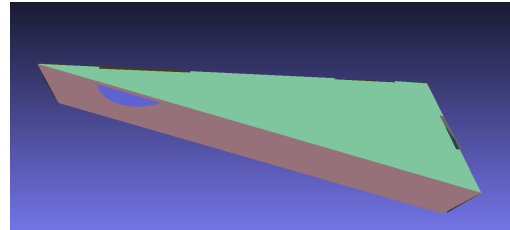
Figure 1.48: tbox_016

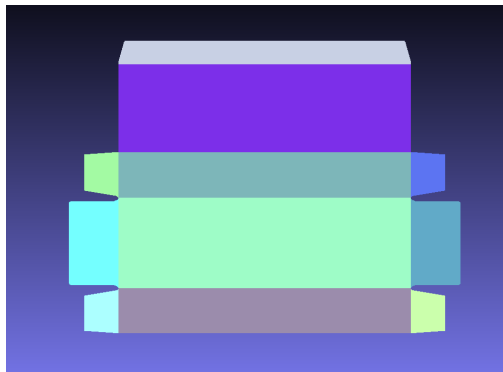(a) input mesh

(b) output mesh
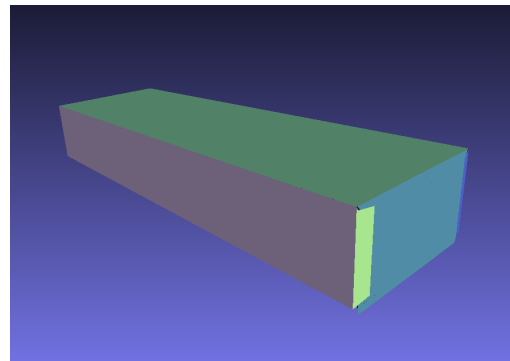
Figure 1.49: tbox_037

(a) input mesh

(b) output mesh
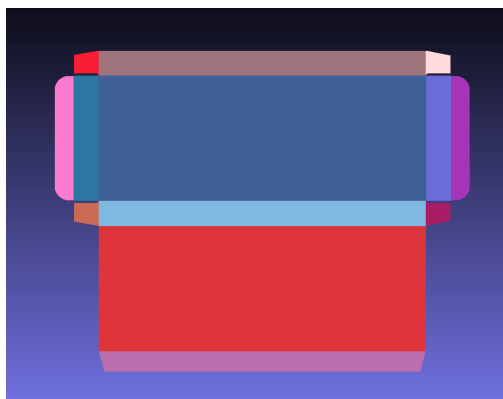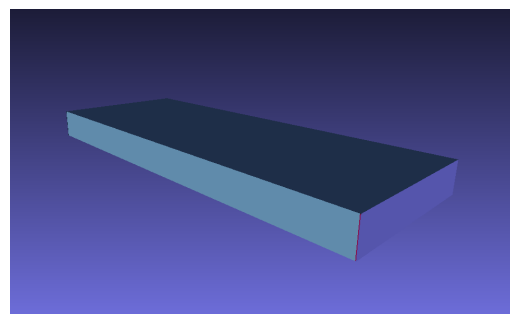
Figure 1.50: tbox_089

(a) input mesh

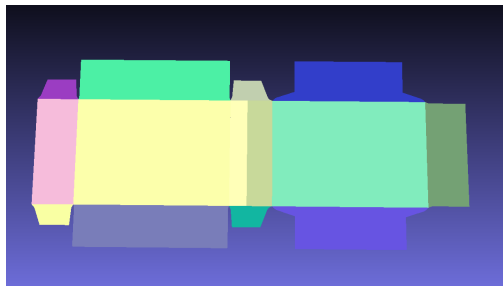(b) output mesh

Figure 1.51: tbox_091
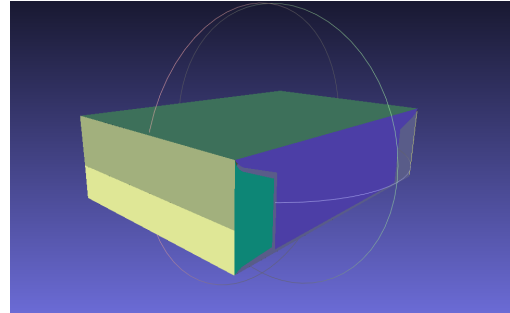

(a) input mesh

(b) output mesh
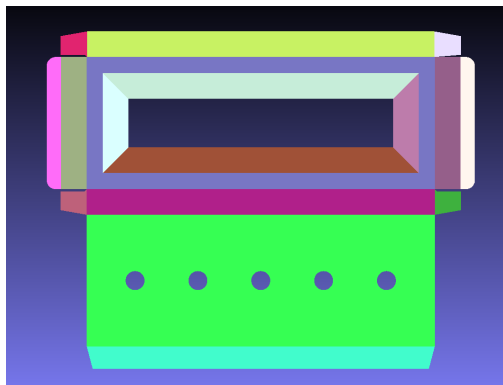
Figure 1.52: tbox_098
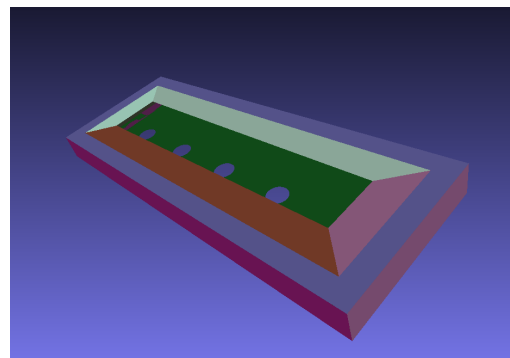
(a) input mesh

(b) output mesh

Figure 1.53: tbox_600

(a) input mesh

(b) output mesh

Figure 1.54: tbox_627