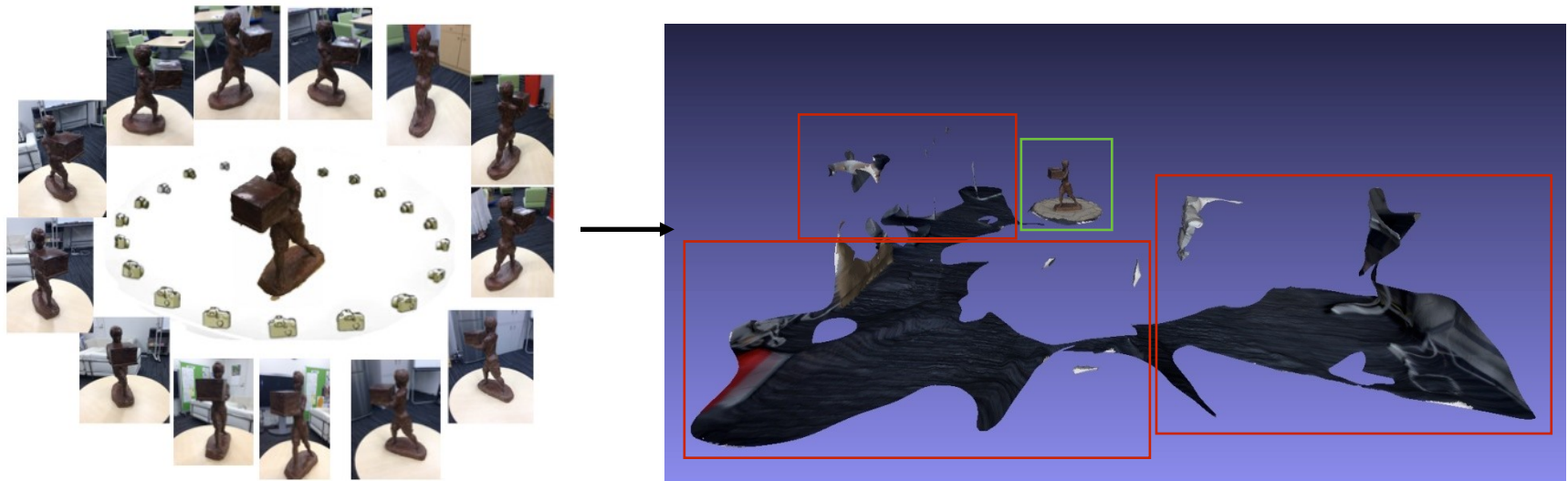




3D scene restored from 26 images

Clean the background



Target 3D model

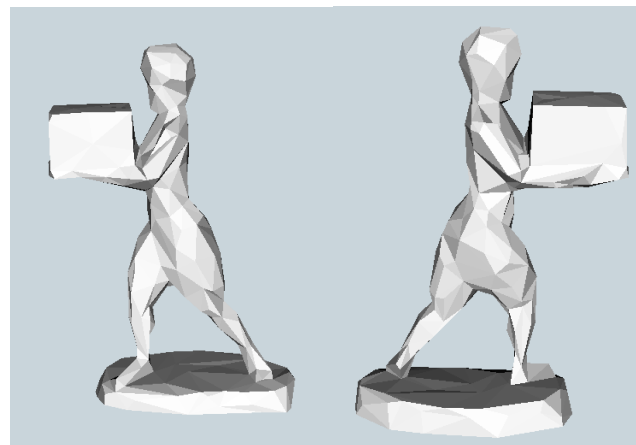
図1 26の画像から3D再構成(不要物を除去して得られたターゲットモデル)



Original 3D Model

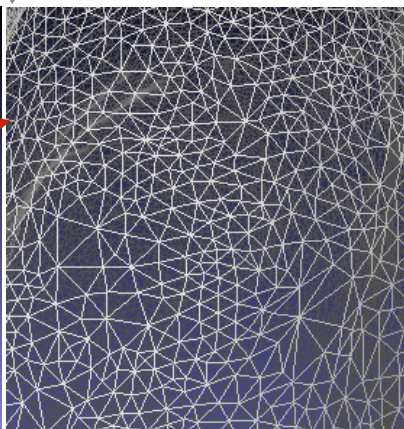
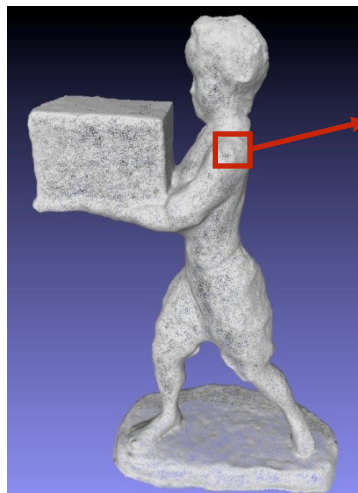
185575 points, 285658 elements

Simplify

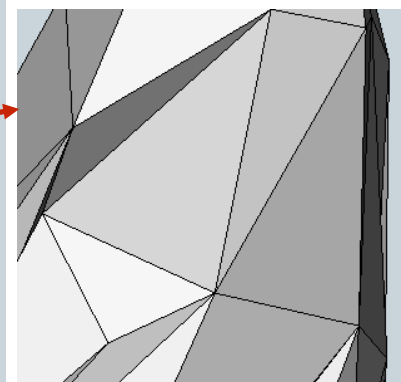
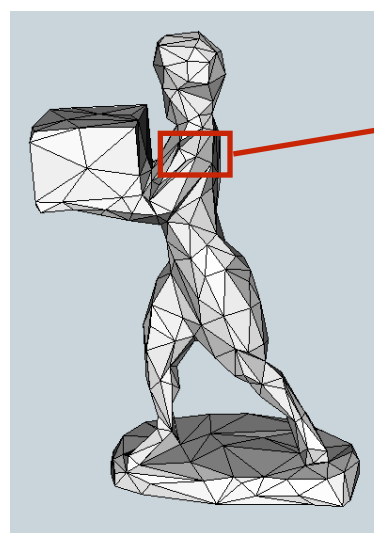


Simplified model

289 points, 561 elements



Detail mesh of the original model



Detail mesh of the simplified model

図2 画像から得られる甚大な数の要素モデルを簡略化したモデル
そしてメッシュの大きさの比較



PaperCraftRD



Open



Save



Mesh



Decimate



Generate



Surface



+X



View Direction



Connect



Number



Size



Fit



Setting



Printer



info



Close tab

decimate_mesh.obj



PaperCraft V1.0

Pattern generated successfully.



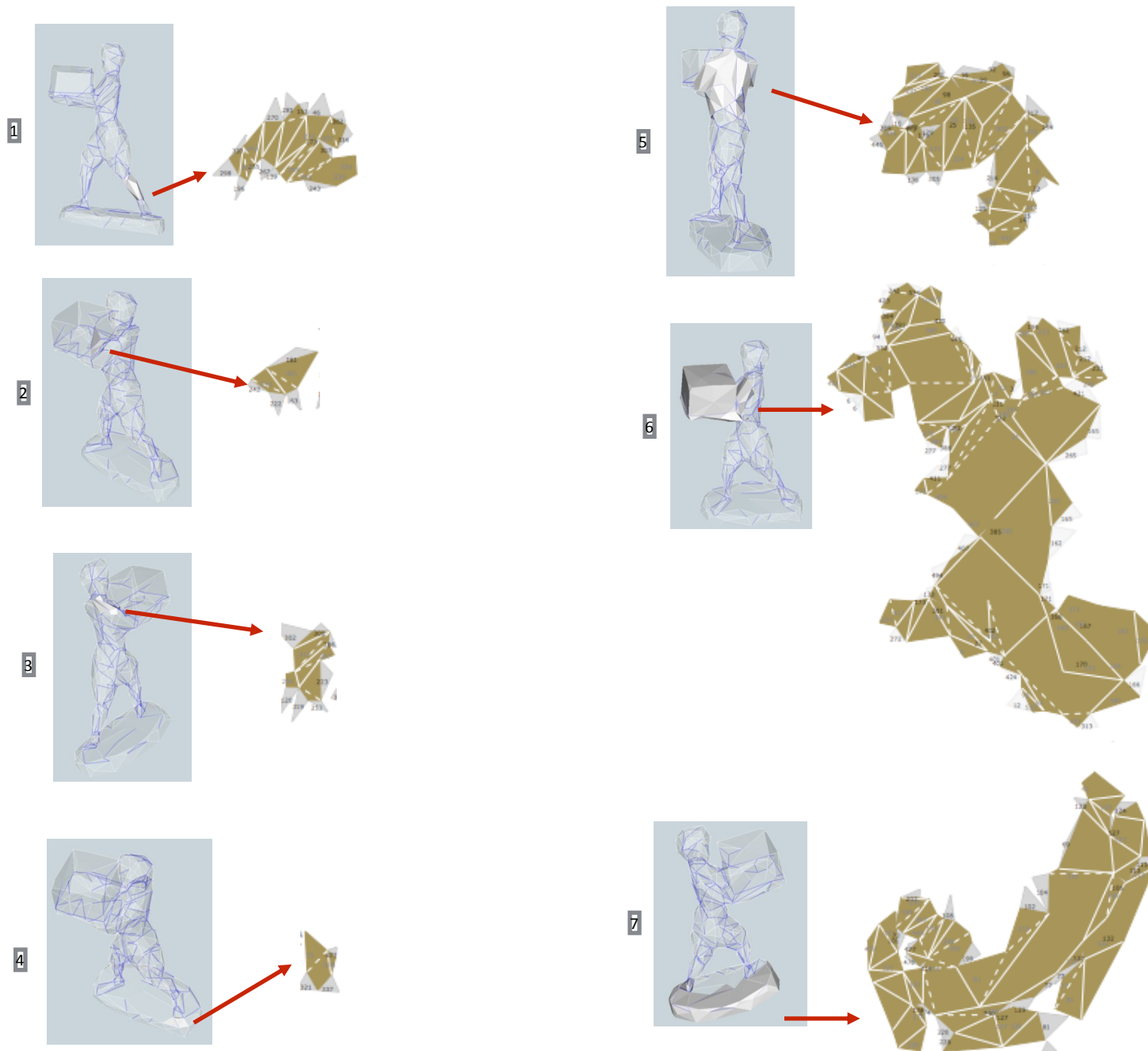
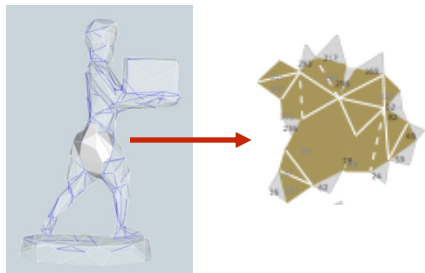
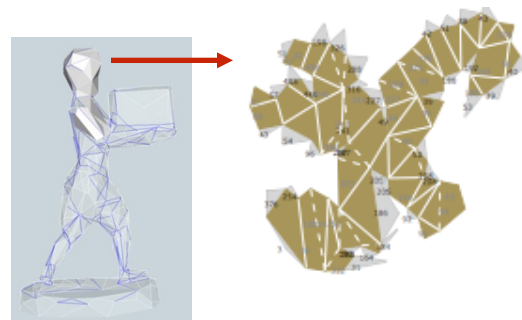


図4-1 各2次元パターンの該当する部分(No.1~No.7)

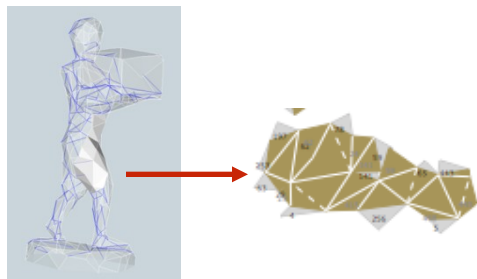
8



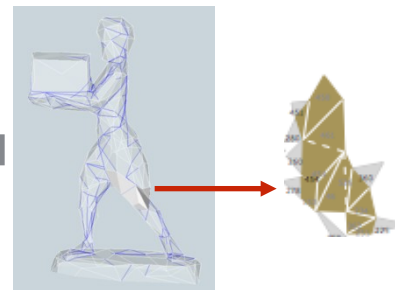
11



9



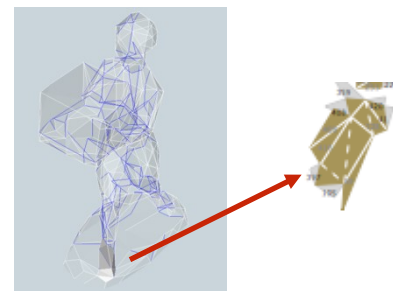
12



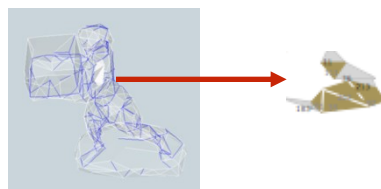
10



13



14



15

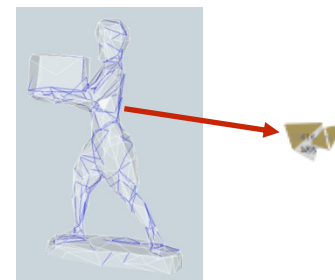


図4-2 各2次元パターンの該当する部分(No.8～No.15)

