Learning based hole filling method using deep convolutional neural network for view synthesis



Feature representation and high quality hole filling results restoration with deep convolutional neural network (DCNN)

Proposed hole filling method with deep convolutional neural network (DCNN) for view synthesis









(a)₽









(b)+2



(**d**)₽











(d)+

Hole filling results for "Moebius" at View4 (Reference viewpoint: View1). (a) Warped view. (b) Magnified part of (a). (c) Local greedy method [11]. (d) Global optimizationbased method [13]. (e) Proposed hole filling method. (e) Hole filling results for "Cloth3" at View4 (Reference viewpoint: View1). (a) Warped view. (b) Magnified part of (a). (c) Local greedy method [11]. (d) Global

optimization-based method [13]. (e) Proposed hole filling method.

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