

Poster Presentation

[3DSAp2/3Dp2]3D and Hyper-realistic Displays and Applications 2

Thu. Nov 28, 2019 2:30 PM - 5:00 PM Main Hall (1F)

2:30 PM - 5:00 PM

[3DSAp2/3Dp2-13]Investigation of Single-Pixel Imaging using Recurrent Neural Network

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Keywords:Single-Pixel Imaging, Deep Learning, Recurrent Neural Network

We propose a reconstruction method for single-pixel imaging. Recently, reconstruction methods using deep neural networks have been studied. However, these methods need much calculation. In this paper, we investigated to reconstruct images from a single-pixel device using a recurrent neural network and decrease the calculation amount.