

Oral Presentation

[3DSA5/3D5]Light Field 2

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[3DSA5/3D5-1]An Improved View Synthesis of Light Field Images for Supporting 6 Degrees-of-Freedom

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Keywords:View Synthesis, Light Field, Virtual Reality, 6DoF

In this paper, virtual view synthesis of sparse light field images is considered. We analyze the patch-wise 3D warping and blending methods of the conventional view synthesis, and propose an improved algorithm for supporting 6DoF. We suggest an enhancement for the super-pixel and additional blending weights, and present experimental results using multi-view contents of MPEG.