Oral Presentation

[3DSA5/3D5]Light Field 2

Chair: Jung-Young Son (Konyang Univ.)
Co-Chair: Munekazu Date (NTT)
Thu. Nov 28, 2019 5:20 PM - 6:40 PM Small Hall (2F)

5:40 PM - 6:00 PM

[3DSA5/3D5-2]GPU-Accelerated Interactive Virtual View Synthesis from Light Field Images

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Keywords:Light Field, View Synthesis, GPU, CUDA

We present a GPU based acceleration of a virtual view synthesis from multiple Light Field images. For the synthesis of a 2K virtual view from 24 images of the same resolution, we achieved 21.31 FPS using four Titan V GPUs with algorithmic optimizations, which corresponds 923 times of speedup.

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