

Oral Presentation

[3DSA9/3D9]Data Compression

Chair: Hideaki Kimata (NTT)

Co-Chair: Miwa Katayama (NHK)

Fri. Nov 29, 2019 3:00 PM - 4:20 PM Small Hall (2F)

3:20 PM - 3:40 PM

[3DSA9/3D9-2]FDM-based Global Motion Estimation for Dynamic 3D Point Cloud Compression

*SO MYUNG LEE¹, Li Cui¹, Tianyu Dong¹, Eun-Yong Chang², Jihun Cha², Euee S. JANG¹ (1. Hanyang University (Korea), 2. Electronics and Telecommunications Research Institute (Korea))

Keywords:dynamic point cloud compression, global motion estimation, fast distortion measurement

In this paper, we propose a fast global motion estimation (GME) for dynamic 3D point cloud compression (PCC). We applied fast distortion measurement method(FDM) to replace and reduce the computational complexity of GME. The experimental results show that the proposed method is two times faster than MPEG V-PCC.