Tampere University

## **Refining the Bounding Volumes for Lossless Compression of Voxelized Point Clouds Geometry** Sebastian Schwarz<sup>+</sup> Emre Can Kaya\* Ioan Tabus\*

- cloud. It consists of two stages:
- associated to a single projection direction.
- contained in the two depthmaps.
- input data.



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246-250, 2020. [13] I. Tabus, E. C. Kaya, and S. Schwarz, "Successive refinement of bounding volumes for point cloud coding," in 2020 IEEE 22nd International Workshop on Multimedia Signal Processing (MMSP). IEEE, 2020, pp. 1–6.

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<b>Point Cloud</b>	Bitdepth	G-PCC	BVL
basket. player	11	0.885	0.852
dancer	11	0.876	0.826
facade 00064	11	1.1969	1.3331
queen	10	0.7817	0.7883
redandblack	10	1.1055	1.0418
loot	10	0.9818	0.8991